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ELECTRIC AND GAS UTILITY RATE AND FUEL ADJUSTMENT CLAUSE INCREASES, 1977

PREPARED FOR THE

SUBCOMMITTEE ON INTERGOVERNMENTAL RELATIONS

AND THE

SUBCOMMITTEE ON ENERGY, NUCLEAR PROLIFERATION AND FEDERAL SERVICES

OF THE

COMMITTEE ON GOVERNMENTAL AFFAIRS
UNITED STATES SENATE

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December 21, 1978

Honorable Edmund S. Muskie,
Chairman, Subcommittee on Intergovernmental Relations
Honorable John Glenn,
Chairman, Subcommittee on Energy, Nuclear Proliferation
and Federal Services
Committee on Government Affairs
United States Senate
Washington, D.C. 20510

Dear Senators Muskie and Glenn:

For the fourth consecutive year we have completed at your request an analysis of fuel adjustment clause increases and other actions in the electric and gas utility industries, based on information supplied to us in response to your questionnaire to State utility commissions. The type of information supplied by the State utility commissions for the analyses is identical with that for the earlier reports. This text is essentially the same as that published by the Committee under the same title in September, 1978; changes in some of the presentations have been made to enhance clarity and prevent misinterpretation.

I am pleased to transmit the final study product prepared from the 1977 data by Russell J. Profozich of our Economics Division and Douglas N. Jones, formerly of our Economics Division and presently Director of the National Regulatory Research Institute at Ohio State University.

We hope that this report will be of continued use to your committee.

Sincerely,

Gilbert Gude

Gilbert Gude
Director

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INTRODUCTION

By Senator Edmund S. Muskie and Senator John Glenn

BACKGROUND

Early this year we asked State regulatory commissions to provide our subcommittees with information on electric and gas utility fuel adjustment clause (FAC) and rate increases in 1977. The responses have been analyzed by Russell J. Profozich and Dr. Douglas N. Jones of the Economics Division of the Congressional Research Service of the Library of Congress.(*) The analysis is presented here as a committee print, for convenient reference, inasmuch as the data is not otherwise centrally available.

Participation by the state commissions was the best ever this year. Responses came from 50 commissions in 46 states, the District of Columbia, Puerto Rico and the Virgin Islands. Nebraska was not included in the survey because it has only public power systems, which are subject to local rather than state regulation. Responses were received from two Texas commissions because of split jurisdiction in that state; one commission regulates electricity, the other gas. Only Kentucky, New Mexico and Oklahoma did not join the survey.

(*) Dr. Jones is now director of the National Regulatory Research Institute at Ohio State University, Columbus, Ohio.

Similar studies were published by the Committee on Governmental Affairs in each of the three preceding years. CRS extrapolated data received to estimate revenue changes in states whose commissions did not report. The number of responding commissions has increased from the 37 and 35 which, respectively, provided 1974 and 1975 data, to the 47 and now 50 commissions which provided 1976 and 1977 data.

The utilities covered in this study are primarily investor-owned utilities (IOU's) which distribute approximately 80 percent of the nation's electricity and 94 percent of its natural gas. The rest of the nation's gas and electricity is distributed by publicly-owned systems (municipals and public utility districts) and privately-owned cooperatives. Some of them are subject to state commission regulation but many are not and therefore are not included in this study.

FINDINGS

Fuel adjustment charges by electric and gas utilities amounted to $11 billion in 1977, according to the Library of Congress survey.

That represents an increase of $1.4 billion in fuel adjustment clause revenues over 1976. In addition, utilities obtained $2.4 billion in 1977 through general rate increases, for a total increase of $3.8 billion.

The survey found that while the amount of rate increases actually declined by $0.7 billion from 1976 to 1977, FAC revenues increased over that period nearly 13 percent, from $9.6 billion to $11.0 billion.

The survey found the largest increase in gas adjustment charges (sometimes referred to as purchase gas adjustments), a 23.9 percent increase over 1976.

During the four years the survey has been conducted, electric and gas FAC charges have amounted to $35.6 billion, an average of $8.9 billion a year.

In 15 States fuel adjustment charges added more than $100 million to electric revenues. In eight States FAC's added more than $100,000 to gas revenues. FAC's accounted for more than 20 percent of utility gas and electric revenue in a dozen States.

The dollar amounts of rate case increases and FAC revenues for the past four years were as follows:

Year	FAC Revenues	Rate Increases
1977	$11.0	$ 2.4
1976	9.6	3.1
1975	8.5	4.1
1974	6.5	3.1
Totals	$35.6	$12.7

Increases due to fuel costs are even greater than they appear, becuase many fuel adjustment charges have been rolled into basic rates. Two-thirds of the commissions reported that some fuel costs had been transferred from FAC's into the basic rate structure of electric utilities. Half the commissions reported similar roll-ins for gas utilities. These roll-ins contributed to the decrease in the proportion of identifiable FAC revenue to total revenue for both electric and gas utilities.

The survey also shows that:

(1) both the allowed rate of return and the actual rate of return for gas and electric utilities increased in 1977;

(2) utilities received about 50 percent of what they requested in formal rate cases. This compares with 46 percent in 1976, and 67 percent in previous years;

(3) half the commissions see regulatory problems in letting power companies into the residential insulation business;

(4) one-third of the commissions do not have specific powers to deal with energy emergencies;

(5) only one-third of the commissions have attempted to make comparative evaluations of similar utilities, and

(6) only one-fourth of the commissions have looked into further opportunities for interconnecting electric utility systems, which could afford greater conservation and reliability.

CONCLUSIONS

The survey shows that utilites fared well last year. The cost-plus regulatory system under which utilities operate provides them with operating and investment revenues plus profit. Fuel adjustment clauses have facilitated the collection of more than $35 billion in revenue in four years. As these fuel charges are rolled into the basic rate structure, the identifiable FAC charge on utility bills decreases, although the total bill often increases.

Many utility commissions have permitted use of fuel adjustment clauses as an alternative to the more difficult and time-consuming task of considering rate increase requests in formal hearings, where intervenors and commission staff can challenge, question and counter utility proposals. Commissions generally report that FAC's are subject to periodic review. The authors of the Congressional Research Service analysis make the point that "a periodic review is not the same as an evidentiary hearing, and care must be taken to ensure that such reviews do not simply 'rubber-stamp' the information provided by the utility companies."

Utilities whose rate increase requests were subjected to formal proceedings obtained only half of what they asked for in 1977. It is possible that the $11 billion in revenues obtained through automatic FAC's might have been similarly reduced had it been subjected to evidentiary hearings.

There are some indications that the states are tightening up on escalation of utility bills through use of FAC's. The number of commissions which did not roll any FAC charges into basic rates increased from seven in 1976 to 11 in 1977. Ten commissions--with Arizona making the choice in mid-August, 1978--now partially or totally prohibit use of FAC's.(*)

(*) Idaho, Montana, Oregon, Nevada, Washington and Utah commissions do not use either electric or gas FAC's. Colorado and Kansas FAC's apply to electricity only. The West Virginia legislature forbade use of FAC's by electric utilities in 1975.

The Arizona commission based its decision on the sound premise that abolition of the automatic devices would encourage utilities to fight harder for lower fuel costs.

Decision-making regarding retail electric and gas utility rates properly rests with the states rather than the Federal government. The Federal government assists consumers in utility regulatory matters through a grant program initiated through the Senate Committee on Governmental Affairs. This is section 205 of Public Law 94-385, the Energy, Conservation and Production Act. It provides grants for establishment and operation of offices of consumer services to assist consumers in their presentations before utility regulatory commissions.

Congress appropriated the full $2 million authorized for Section 205 for both fiscal 1977 and fiscal 1978. Initial grants were made to some states last fall and are being continued for the second year.

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ELECTRIC AND GAS UTILITY RATE AND FUEL ADJUSTMENT CLAUSE INCREASES, 1977

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August 9, 1978

ELECTRIC AND GAS UTILITY RATE AND FUEL ADJUSTMENT CLAUSE INCREASES, 1977

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ELECTRIC AND GAS UTILITY RATE AND FUEL ADJUSTMENT CLAUSE INCREASES, 1977

I. Introduction

This report is the fourth in the series of annual studies done on rate increases in the electric and gas utility industries for the preceding year. These increases (or decreases) to ratepayers result either from general rate changes or through the operation of fuel adjustment clauses (FAC's) in utility tariffs. These latter changes are viewed by some industry observers as not consistent with good commission regulation in the public interest where they are automatic, i.e., no full hearings are undertaken; they are supported by other industry observers as necessary to the financial soundness of utility companies where the alternative is lengthy delay in recovering changes in the prices paid to fuel suppliers.

In gathering the necessary data for 1977, State-by-State and utility-by-utility, the procedure this year as in previous years employed a questionnaire sent to each State regulatory commission (plus Puerto Rico, the Virgin Islands and the District of Columbia). The questionnaire and letter (Appendix A) signed jointly by Chairmen Muskie and Glenn of the Subcommittee on Intergovernmental Relations and Subcommittee on Energy, Nuclear Proliferation and Federal Service, respectively, of the Senate Governmental Affairs Committee, included (for comparability of data for previous years) questions concerning general rate increases requested, granted, and pending for gas and electric utilities; revenues occasioned through the operation of FAC's; and the amount of fuel-related increases which were "folded into" the basic rates throughout 1977. New questions included in this year's survey inquired into the proportion of State commission time spent on the regulation of electric and gas companies; opportunities for further system interconnections for wheeling or transmission of electric power; difficulties which may arise from allowing power companies into the residential insulation business; average costs of the various fuels consumed in generating power; commission evaluation of utility performance; and commission authority to deal with energy emergency situations.

By the end of June responses were received from forty-eight commissions, as compared with 46 commissions responding in 1977, 35 in 1976 and 37 in 1975.[1/] A response to this year's questionnaire was also received from the Texas Public Utility Commission and the Nevada Public Service Commission. However, these responses were received too late to be included in the statistical analysis and are therefore included as Appendix C to this report.

[1/] The reason that the number of responses differs from table to table is that State commissions often answered some questions but not others, or answered them incompletely.

Taken together with the earlier studies, the present report provides a five-year analysis (1973-1977) of several aspects of the regulatory process and its response to changes in energy (and other) prices.

The 1976 report which analyzed 1975 data found that both general rate increases granted and FAC charges rose significantly over 1974 levels.[1] The 1977 report, in its analysis of 1976 data, found that both general rate increases granted and FAC charges for the year were below the levels for 1975.[2] However, the tendency for commissions to "roll-in" FAC charges into the basic rates for service increased during 1976, i.e., while the FAC charges decreased, the amount of fuel costs included in basic rates increased.

This year's survey shows a reduction in the amount of general rate increases granted in 1977 as compared with 1976[3] ($2.43 billion versus $3.1 billion) and an increase in FAC revenues($10.98 billion versus $9.6 billion) with the largest increase represented in gas adjustment charges (a 23.89 percent increase over 1976). The amount of rate increases pending in 1977 is the same as in 1976 ($3.89 billion versus $3.9 billion).[1] Appendix B contains the detailed data compiled from responses to this year's questionnaire.

---

[1] Electric and Gas Utility Rate and Fuel Adjustment Clause Increases, 1975: by Douglas N. Jones and Angela Lancaster, Senate Committee on Government Operations, Committee print, dated September 1976.

[2] Electric and Gas Utility Rate and Fuel Adjustment Clause Increases, 1976; by Douglas N. Jones and Russell J. Profozich, Senate Committee on Government Operations, Committee print, dated July 1977.

[3] The figures presented here are those reported by the 48 responding commissions (although the number of commissions responding to specific questions varied) extrapolated to represent the total 52 jurisdictions.

II. Summary and Interpretation of Responses--Questions I, II, III

Summary Table I shows a summary of general rate increases requested, granted, and pending for electric utilities as reported by the 48 commissions responding. Approximately $3.79 billion in general rate increases was requested, and $1.92 billion was granted in 1977. The ratio of granted to requested was therefore approximately 50 percent as compared to 46 percent in 1976 and about 67 percent for the previous several years. The total amount of rate increases pending is reported as $2.37 billion. Therefore, if the ratio of granted to requested were to be maintained for the pending cases, the total amount of general increases attributable to 1977 would be upwards of $3.1 billion ($1.92 + 1/2 x $2.37).

---

[1] See Summary Table V.

SUMMARY TABLE I

ELECTRIC UTILITY GENERAL RATE INCREASES GRANTED AND PENDING SINCE DECEMBER 31, 1976, BY STATES

(in thousands of dollars)

State	Amount Requested	Amount Granted	Amount Pending
Alabama	$205,300	$91,100	$--
Alaska	2,351	2,319	5,073
Arizona	70,652	57,423	--
Arkansas	59,306	34,545	5,081
California	108,695	12,384	564,010
Colorado	57,992	34,205	3,186
Connecticut	55,767	20,679	--
Delaware	26,000	26,000	33,653
District of Columbia	--	--	45,501
Florida	483,025	284,420	13,500
Georgia	204,148	102,492	--
Hawaii	13,889	11,351	5,866
Idaho	40,497	19,347	26,602
Illinois	372,419	210,324	64,383
Indiana	134,850	90,777	127,091
Iowa	7,888	5,367	56,409
Kansas	98,828	40,336	56,835
Louisiana	101,800	5,000	42,900
Maine	92	49	25,253
Maryland	126,308	69,913	27,169
Massachusetts	32,781	18,158	88,889
Michigan	134	68	314
Minnesota	155,714	99,211	3,898
Mississippi	--	--	--
Missouri	135,223	58,618	30,963
Montana	19,140	3,591	47,713
New Hampshire	336	336	29,170
New Jersey	117,918	26,507	430,851
New York	495,412	162,182	183,511
North Carolina	77,754	49,640	293
North Dakota	18,012	13,681	--
Ohio	127,603	82,423	109,056
Oregon	85,784	66,398	771
Pennsylvania	100,087	72,657	228,588
Puerto Rico	--	--	--
Rhode Island	5,122	3,658	6,997
South Carolina	30,269	21,797	--
South Dakota	11,142	3,842	967
Tennessee	--	--	2,401
Texas	--	--	--
Utah	43,146	32,297	7,968
Vermont	3,715	3,392	14,261
Virginia	44,360	26,893	7,423
Virgin Islands	--	--	--
Washington	4,100	3,112	19,827
West Virginia	90,385	42,533	12,679
Wisconsin	14,203	7,537	55,995
Wyoming	8,664	7,593	618
Total	$3,790,811	$1,924,156	$2,373,427

SOURCE: Appendix Tables B-V and B-VI.

Comparing these figures with the 1976 totals, we find that with three additional commissions responding in 1977 over 1976 (48 versus 45), the amount of rate increases requested declined by approximately $840 million ($3.79 billion versus $4.63 billion). The amount granted also declined from $2.13 billion in 1976 to $1.92 billion in 1977, as did the amount pending from $2.89 billion to $2.37 billion.

Summary Table II presents similar information for gas utilities. During 1977, $500 million in rate increases was requested and $293 (58.6 percent) was granted by reporting commissions, with $1.13 billion pending at the end of the year. If the ratio of granted to requested continues, the final total of rate increases granted for gas utilities occasioned by 1976 filings would be $1.162 billion ($500 million + 58.6% x $1.13 billion).

Again, comparing the 1977 totals representing 48 jurisdictions with 1976 data for 45 jurisdictions, we find that the amount of rate increases requested declined from $978 million in 1976 to $500 million in 1977. The amount granted declined from $560 million to $293 million, but the amount pending increased from $490 million in 1976 to $1.13 billion in 1977. The ratio of granted to requested for gas utilities increased to 58.6 percent in 1977 from 57 percent in 1976.

SUMMARY TABLE II

GAS UTILITY GENERAL RATE INCREASES GRANTED AND PENDING SINCE DECEMBER 31, 1976, BY STATES
(in thousands of dollars)

State	Amount Requested	Amount Granted	Amount Pending
Alabama	--	--	--
Alaska	$7,245	$5,451	--
Arizona	9,845	15,264	--
Arkansas	465	5	$757
California	16,025	1,655	486,374
Colorado	13,402	8,492	2,444
Connecticut	4,819	1,958	17,679
Delaware	5,467	4,666	--
District of Columbia	--	--	10,959
Florida	3,930	2,950	--
Georgia	933	674	--
Hawaii	--	--	2,600
Idaho	2,112	1,550	5,288
Illinois	8,866	5,826	17,154
Indiana	15,634	15,251	16,772
Iowa	3,091	2,579	16,531
Kansas	4,606	2,176	9,384
Louisiana	3,700	1,400	--
Maine	--	--	--
Maryland	21,418	20,918	--
Massachusetts	12,473	5,290	--
Michigan	56,246	6,269	119,363
Minnesota	8,358	6,261	17,432
Mississippi	--	--	--
Missouri	15,130	9,496	30,963
Montana	31,219	27,636	44,669
New Hampshire	576	523	717
New Jersey	8,354	3,347	106,844
New York	87,431	53,887	79,491
North Carolina	3,766	1,514	16,475
North Dakota	1,310	1,297	771
Ohio	28,354	14,502	11,271
Oregon	21,796	16,063	--
Pennsylvania	3,492	2,696	67,376
Puerto Rico	--	--	--
Rhode Island	200	65	2,610
South Carolina	--	--	4,392
South Dakota	2,685	645	2,821
Tennessee	2,479	910	4,428
Texas	3,317	1,782	4,021
Utah	37,658	24,658	265
Vermont	--	--	99
Virginia	358	358	8,543
Virgin Islands	--	--	--
Washington	9,754	8,129	5,940
West Virginia	39,347	15,621	6,885
Wisconsin	2,880	630	3,314
Wyoming	1,847	476	7,046
Total	$500,588	$292,874	$1,131,739

SOURCE: Appendix Tables B-V and B-VI.

Summing the electric and gas utility general rate increase data for 1977, the 48 responding commissions reported $4.29 billion requested, $2.21 billion granted, and $3.5 billion pending. The comparable totals for 1976 with 45 jurisdictions responding are $5.6 billion requested, $2.7 billion granted, and $3.4 billion pending.

Summary Table III shows electric utility revenues through the operation of fuel adjustment clauses for 1974, 1975, 1976 and 1977. Although the number of jurisdictions providing information varies for the several years reported, this table shows a large increase in FAC revenues from 1974 to 1975 and a decline in FAC revenues in 1976. FAC revenues for 1977, however, show a slight increase over the 1976 totals. The pattern of rate increases occasioned by FAC's varies dramatically among the various States. California shows an increase in FAC revenues from $586 million in 1974 to $875 million in 1976, with a decline to $374 million in 1977. New Jersey's reported FAC revenues reached a high of $605 million in 1975 and declined to $511 million in 1976 and to $482 million in 1977. Virginia reported FAC revenues $245 million in 1975, $201 million in 1976, and $403 million in 1977.

For all of the jurisdictions responding, Summary Table III reports that electric utility FAC revenues in 1977 were 13.39 percent of total revenues and that these revenues increased by 2.43

SUMMARY TABLE III

ELECTRIC UTILITY REVENUES THROUGH THE OPERATION OF FUEL ADJUSTMENT CLAUSES, BY STATES RESPONDING - 1974 THROUGH 1977

(dollar figures in thousands)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
State	Total Electric Revenue 1977	FAC Revenues 1977	FAC Revenues 1976	FAC Revenues 1975 1/	FAC Revenues 1974 1/	1977 FAC Revenues as a Percent of 1977 Total Revenues	Percent Increase (Decrease) of 1977 FAC Revenues over 1976 Revenues
Alabama	$ 969,900	$ 125,800	$ 195,300	$ 0	$ --	12.97	(35.59)
Alaska	18,620	1,569	1,905	6,663	--	8.43	(17.64)
Arizona	--	--	--	--	--	--	--
Arkansas	519,884	94,226	136,808	--	--	18.12	(31.12)
California	4,801,490	374,168	875,006	777,568	585,975	7.79	(57.24)
Colorado	210,388	11,145	8,480	36,543	19,063	5.30	31.43
Connecticut	813,140	26,076	(10,192)	18,367	--	3.21	335.85
Delaware	183,269	44,906	47,535	55,497	--	24.50	(5.53)
District of Columbia	228,958	93,258	51,893	57,531	--	32.27	79.71
Florida	2,648,009	106,800	(15,140)	305,444	338,088	4.03	805.42
Georgia	1,170,935	284,465	304,929	283,841	169,644	24.29	(6.71)
Hawaii	271,569	55,223	52,326	51,623	18,339	2.03	5.54
Idaho	--	--2/	--	--	10,093	--	--
Illinois	3,097,906	437,010	398,345	338,807	--	14.11	9.71
Indiana	1,632,546	134,991	61,404	103,953	--	8.27	119.84
Iowa	627,119	60,564	42,280	43,082	33,914	9.66	43.25
Kansas	464,782	61,190	57,630	60,834	--	13.17	6.18
Kentucky	--	--	110,870 1/	122,168	--	--	--
Louisiana	856,241	231,556	166,422	55,505	63,638	27.04	39.14
Maine	244,532	67,093	32,797	40,270	--	27.44	104.57
Maryland	1,451,245	294,479	278,474	197,046	--	20.29	5.75
Massachusetts	--	--3/	--	--	--	--	--
Michigan	2,360	(17)	62	308,905	196,524	(0.72)	(127.42)
Minnesota	--	--	16,791 1/	5,017	--	--	--

SUMMARY TABLE III, CONTINUED

ELECTRIC UTILITY REVENUES THROUGH THE OPERATION OF FUEL ADJUSTMENT CLAUSES,
BY STATES RESPONDING - 1974 THROUGH 1977
(dollar figures in thousands)

State	(1) Total Electric Revenue 1977	(2) FAC Revenues 1977	(3) FAC Revenues 1976	(4) FAC Revenues 1975 1/	(5) FAC Revenues 1974 1/	(6) 1977 FAC Revenues as a Percent of 1977 Total Revenues	(7) Percent Increase (Decrease) of 1977 FAC Revenues over 1976 Revenues
Mississippi	567,739	153,038	128,355	--	59,865	26.96	19.23
Missouri	1,057,425	39,020	2,333 4/	--	9,238	3.69	1572.52
Montana	--	--2/	--	--	--	--	--
Nebraska	--5/	--	--	--	--	--	--
Nevada	--	--	--6/	--	--	--	--
New Hampshire	276,813	66,341	56,877	61,477	--	23.97	16.64
New Jersey	2,234,160	482,598	511,447	605,512	578,212	21.60	(5.64)
New Mexico	--	--	46,914 1/	29,929	--	--	--
New York	4,980,317	458,340	481,182	939,953	155,271	9.23	(9.53)
North Carolina	1,656,701	69,033	14,081	40,965	130,670	4.17	390.26
North Dakota	97,803	2,635	80,623	638	1,232	2.69	(96.73)
Ohio	3,450,156	170,993	47,666	458,449	--	4.96	258.73
Oregon	--	6,634 7/	--	--	--	--	--
Pennsylvania	3,590,878	887,443	696,778	678,033	--	24.71	27.36
Puerto Rico	630,097	318,262	271,866	225,500	--	50.51	17.07
Rhode Island	233,677	46,714	57,031	60,611	--	19.99	(18.09)
South Carolina	--	--8/	90,889 1/	132,422	--	--	--
South Dakota	90,024	3,781	1,405	2,494	--	4.13	169.11
Tennessee	29,060	1,058	4,778	6,836	--	3.64	(77.86)
Texas	--	--	--	--	--	--	--
Utah	--	--2/	--	--	--	--	--
Vermont	141,352	9,536	10,057	--	--	6.75	(5.18)
Virginia	2,922,565	403,593	201,261	244,754	207,202	13.81	100.53
Virgin Islands	--	--2/	--	--	--	--	--
Washington	26,073	8,876	6,109	--	--	34.04	45.29
West Virginia	--	--9/	--	--	--	--	--
Wisconsin	--	24,041	(972)	23,526	66,849	--	2573.35
Wyoming	--	520	--	--	--	--	--
Total	$ 42,257,733	$5,656,958	$5,522,605	$6,379,746	$2,644,317	13.39	2.43

Footnotes - Summary Table III

1/ Taken from data submitted in the earlier report, Electric and Gas Utility Rate and Fuel Adjustment Clause Increase, 1976, Committee on Government Operations, U.S. Senate, Committee Print, Dated July 1977.

2/ No FAC.

3/ Under Massachusetts law any change in the fuel adjustment changes of electric utilities must be approved by the Dept. of Public Utilities.

4/ Five months ending December 1976.

5/ No State regulation.

6/ FAC included in tariffs of only 2 utilities and has never been applied.

7/ Oregon has no electric FAC. A temporary surcharge was implemented to offset excess power costs because of drought.

8/ None, all require semi-annual hearings.

9/ Fuel Adjustment Clauses were eliminated for electric utilities effective April 1, 1975.

Source: Appendix Table B-VII

percent over the previous year. In 1976, FAC revenues represented 15.1 percent of total revenues, and in 1975 they were 16.5 percent of total revenues. In 1976 FAC revenues declined by 18.3 percent from the previous year, and in 1975 they showed a 23.4 percent increase over the year earlier figure.[1] Although total FAC revenues in 1977 increased slightly over the previous year, they show a continued decline as a percentage of total electric utility revenues. This decline may represent a slower increase in fuel costs as compared with other costs of providing service or an increase in the amount of fuel charges rolled-in to basic electric utility rates. The subject of fuel adjustment charges rolled-in to basic rates will be taken up in the following section of this report.

Of the 48 jurisdictions providing data for 1977, Summary Table III shows that the range of FAC revenues as a percent of total revenues varied from a low of -0.72[2] percent in Michigan to highs of 32.27 percent in the District of Columbia and 50.51 percent in Purto Rico. Changes in 1977 FAC revenues over those in 1976 varied from -127.42 percent in Michigan to 2573.35 percent in Wisconsin. Of the 36 jurisdictions reporting, 23 showed an increase in FAC revenues over the previous year.

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[1] See the earlier report, Electric and Gas Utility Rate and Fuel Adjustment Clause Increases, 1976, U.S. Senate, Committee on Government Operations, Committee print, dated July 1977, page 7 and Summary Table III.

[2] FAC revenues as a percent of total revenues may be negative in those jurisdictions where utilities made refunds to customers due to a previous over-collection of revenues.

Summary Table IV displays similar FAC revenue data for natural gas utilities. Again, with the number of jurisdictions providing information for the various years showing considerable variation, this table shows a general increase in FAC revenues from 1974 to 1977, with some moderation in the rate of increase between 1976 and 1977. For example, New Jersey displays a slight decline in FAC revenues in 1977 as compared with 1976 after reporting a substantial increase in FAC revenues for the previous several years. New York displays a similar pattern, while West Virginia shows a continued increase in FAC revenues from 1974 to 1977. For all the commissions responding, Summary Table IV shows a 5.74 percent increase in FAC revenues for 1977 over 1976. The same table last year reported a 17.92 percent increase in 1976 FAC revenues over 1975.[1/] For 1977, the percentage change in FAC revenues from the previous year varied from -77.91 percent in North Dakota to 391.04 percent in North Carolina. FAC revenues as a percent of total revenues for the jurisdictions

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[1/] See the earlier report. Electric and Gas Utility Rate and Fuel Adjustment Clause Increases, 1976, op. cit., page 10 and Summary Table IV.

SUMMARY TABLE IV

GAS UTILITY REVENUES THROUGH THE OPERATION OF FUEL ADJUSTMENT CLAUSES, BY STATES RESPONDING - 1974 THROUGH 1977

(dollar figures in thousands)

State	(1) Total Gas Revenue 1977	(2) FAC Revenues 1977	(3) FAC Revenues 1976	(4) FAC Revenues 1975 1/	(5) FAC Revenues 1974 1/	(6) 1977 FAC Revenues as a Percent of 1977 Total Revenues	(7) Percent Increase (Decrease) of 1977 FAC Revenues over 1976 FAC Revenues
Alabama	$ 142,100	$ 21,400	$ 19,600	$ 0	$ --	15.06	9.18
Alaska	28,716	470	--	--	--	1.64	--
Arkansas	--	--	--	--	--	--	--
Arizona	--	--	144,870 1/	--	--	--	--
California	3,147,510	230,485	223,158	596,852	287,192	7.32	3.28
Colorado	--	--2/	93,488 1/	--	--	--	--
Connecticut	238,776	35,838	21,751	9,674	--	15.01	64.76
Delaware	36,149	8,128	5,225	4,084	--	22.48	55.56
District of Columbia	77,853	13,216	14,561	10,535	--	16.98	(9.24)
Florida	92,432	14,996	5,008	8,010	8,078	16.22	199.44
Georgia	350,795	168,363	117,130	77,163	--	47.99	43.74
Hawaii	24,462	1,220	579	600	--	4.99	110.71
Idaho	--	--3/	--	--	--	--	--
Illinois	2,257,712	--	--	--	--	--	--
Indiana	503,985	--	--	--	--	--	--
Iowa	382,673	82,272	48,179	44,473	48,652	21.50	70.76
Kansas	300,795	--	--	--	--	--	--
Kentucky	--	--	55,004 1/	23,249	--	--	--
Louisiana	--	--	--	--	--	--	--
Maine	7,537	1,603	640	--	--	21.27	150.47
Maryland	541,715	--	84,693 1/	42,949	--	--	--
Massachusetts	586,624	192,441	136,844	89,462	--	32.80	40.63
Michigan	1,819,726	657,111	431,699	--	--	36.11	52.22
Minnesota	--	--	16,824 1/	10,484	--	--	--

SUMMARY TABLE IV, CONTINUED

GAS UTILITY REVENUES THROUGH THE OPERATION OF FUEL ADJUSTMENT CLAUSES, BY STATES RESPONDING - 1974 THROUGH 1977
(dollar figures in thousands)

State	(1) Total Gas Revenue 1977	(2) FAC Revenues 1977	(3) FAC Revenues 1976	(4) FAC Revenues 1975 1/	(5) FAC Revenues 1974 1/	(6) 1977 FAC Revenues as a Percent of 1977 Total Revenues	(7) Percent Increase (Decrease) of 1977 FAC Revenues over 1976 FAC Revenues
Mississippi	120,594	47,977	20,805	--	--	39.78	130.60
Missouri	--	--	--	--	--	--	--
Montana	--	--3/	--	--	--	--	--
Nebraska	--4/	--	--	--	--	--	--
Nevada	--5/	--	--	--	--	--	--
New Hampshire	25,501	1,115	2,205	1,844	--	4.37	(49.43)
New Jersey	827,790	231,474	231,794	166,695	91,374	27.96	(0.14)
New Mexico	--	--	75,950 1/	34,775	--	--	--
New York	1,751,082	265,674	293,931	255,069	200	15.17	(9.61)
North Carolina	204,280	57,879	11,787	29,823	--	28.33	391.04
North Dakota	41,569	8,121	36,761	4,780	711	19.54	(77.91)
Ohio	1,747,368	162,643	111,479	169,314	--	9.31	45.89
Oregon	--	--3/	--	--	--	--	--
Pennsylvania	1,670,852	539,606	402,421	257,686	--	32.29	34.09
Rhode Island	92,059	--	--	--	--	--	--
South Carolina	--	--6/	--	--	--	--	--
South Dakota	39,456	--	1,729	1,141	--	--	--
Tennessee	103,486	42,621	22,366	17,915	--	41.19	90.56
Texas	--	--	--	--	--	--	--
Utah	--	--3/	--	--	--	--	--
Vermont	13,944	1,320	546	--	--	9.47	141.76
Virginia	488,871	--	--	--	--	--	--
Washington	--	--3/	--	--	--	--	--
West Virginia	254,290	89,681	38,789	13,643	4,750	35.27	131.20
Wisconsin	--	68,128	126,710	130,118	21,001	--	(46.23)
Wyoming	--	13,138	--	--	--	--	--
Total	$17,920,702	$2,956,920	$2,796,526	$2,000,346	$461,958	16.50	5.74

Footnotes - Summary Table IV

1/ Taken from data submitted in the earlier report, Electric and Gas Utility Rate and Fuel Adjustment Clause Increase, 1976, Committee on Government Operations, U.S. Senate, Committee Print, dated July 1977.

2/ There are no automatic PGA Clauses in Colorado. All purchased gas cost pass-ons are by application.

3/ No FAC.

4/ No State regulation.

5/ FAC included in tariffs of only 2 utilities and has never been applied.

6/ None, all require semi-annual hearing.

Source: Appendix Table B-VII

reporting averaged 16.50 percent with the range varying from 1.64 percent in Alaska to 47.99 percent in Georgia. In 1976, FAC revenues were 23.04 percent of total revenues for all responding jurisdictions.

Summary Table V percent the actual and derived amounts of rate increases and FAC revenues in the electric and gas utility industries based on the 1977 data provided by the responding commissions. This master table also contains national aggregate figures for the previous two years so that certain comparisons can be made with the totals for 1976 and 1975.

Step 1 of Summary Table V merely records the actual totals for rate increases requested, granted, and pending which result from summing the data provided by the 48 commissions responding. Step 2 extrapolates these data to 52 jurisdictions. Note that the $4.73 billion (new) total requested is $1.77 billion less than the similar figure for 1976, also $670 million less was granted in 1977 as compared with 1976 while the total amount pending is vertically the same ($3.89 billion versus $3.9 billion). If the ratio of granted to requested for 1977 were to hold in resolving the pending rate cases, then the grand total for general rate increases assignable to 1977 filings would be $4.41 billion ($2.43 + 51 percent of $3.89 billion). This figure would compare with similarly calculated totals of $5 billion for 1976 and $7.6 billion for 1975.

SUMMARY TABLE V

CALCULATIONS OF THE ACTUAL AND DERIVED AMOUNTS OF RATE INCREASES AND FUEL ADJUSTMENT CLAUSES IN THE ELECTRIC AND GAS UTILITY INDUSTRIES BASED ON 1976 DATA PROVIDED

(in billions of dollars)

	Step 1			Step 2				
	Actual Jurisdictions, 1977			Extrapolated to 52 Jurisdictions 1/, 1977				
General Rate Increases	Electric	Gas	Total	Electric	Gas	Total	(1976 Grand Total) 2/	(1975 Grand Total) 2/
Requested	$3.79	$0.50	$4.29	$4.19	$0.54	$4.73	($+6.5)	($+6.0)
Granted	1.92	0.29	2.21	2.12	0.31	2.43	($+3.1)	($+4.1)
Pending	2.37	1.13	3.50	2.62	1.25	3.89	($+3.9)	($ 5.2)

	Step 3			Step 4			
	Actual Jurisdictions Reporting, 1977			Extrapolated to 52 Jurisdictions 1/, 1977			
Fuel Adjustment Charges	Electric	Gas	Total	Electric	Gas	Total	
	$5.65	$2.95	$8.60	$6.52	$4.46	$10.98	
				($+6.0)	($+3.6)	($+9.6)	(Grand Total 1976) 2/
				($+7.9)	($+3.6)	($+11.5)	(Grand Total 1975) 2/

Footnotes - Summary Table V

1/ Assumes non-responses are proportional to actual response.

2/ Taken from data submitted for the earlier report, Electric and Gas Utility Rate and Fuel Adjustment Clause Increase, 1976, Committee on Government Operations, U.S. Senate Committee Print, dated July 1977, Summary Table V, Page 13.

Source: Commission response to 1977 data request and data submitted for the earlier report.

Step 3 presents the actual FAC electric and gas utility revenue totals for the jurisdictions responding, and step 4 extrapolates these data to 52 jurisdictions. The $5.65 billion of reported FAC increases for electric utilities extrapolates to $6.52 billion; the $2.95 billion for gas utility FAC increases extrapolated to $4.46 billion; the 1977 total thus becomes $10.98 billion. Comparing these figures with those similarly calculated for 1976, we find that electric utility FAC revenues have increased by $500 million ($6.5 billion versus $6.0 billion) and gas utility FAC revenues have increased by $860 million ($4.46 billion versus $3.6 billion). Thus, total FAC increases for 1977 of $10.98 billion compare with $9.6 billion for 1976. The rather large increase in gas utility FAC revenues for 1977 is likely a reflection of the continued shortage of national gas supplies and the recent price increases granted for interstate sales of this commodity.

Finally, then, if the FAC revenue increases are added to the actual and likely general rate increases, the national aggregate resulting from electric and gas utility filings for 1977 would be $15.39 billion ($2.43 billion + $1.98 billion + $10.98 billion). This figure compares with the similarly calculated figure of $14.6 billion for 1976 and $18.0 billion for 1975.

An examination of the detailed information contained in Appendix Table B-V reveals that of 306 general rate increases requested in the electric and gas industries, eight companies asked for a percentage increase in excess of 50 percent, and five companies requested a reduction in rates. The average percentage increase requested was 15 percent, the comparable figure for 1976 was 18 percent, and for 1975 20 percent.

The average allowed rate of return in 1977 for the 270 gas and electric companies for which information was reported was 9 percent, compared with 8.3 percent in 1976 and 8.24 percent in 1975. The actual rate of return experienced by the 106 companies for which data was provided was 7.7 percent in 1977 and for 105 companies in 1976 the figure was 7.5 percent.[1/] Thirteen of the rate increase requests reported for 1977 resulted in either no increase granted or a reduction in rates to customers.

III. Summary and Interpretation of Responses-- Questions IV and VIII

A. Fuel Adjustment Clauses Rolled In to Basic Rates

As was the case in previous years, the commissions were asked several questions relating to the operation of automatic fuel adjustment clauses (FAC's). Question IV asked the commissions to indicate

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[1/] See the earlier report, Electric and Gas Utility Rate and Fuel Adjustment Clause Increases, 1976, op. cit., p. 14.

the amount of fuel charges which had previously been included in the FAC which during 1977 have been folded into basic rates. The purpose of this question is to get some indication of the extent of the recovery of fuel costs in the basic rates of utilities as opposed to recovering these costs through the operation of FAC's. Also, in order to determine the total change in electric and gas utility revenues attributable to changes in fuel costs, both FAC revenues and FAC roll-ins must be considered. Appendix Table B-VIII shows commission responses to question IV for electric and gas utilities.

Of the commissions which allow FAC's within their jurisdiction, 32 responded to question IV and provided usable data. Of these 32 responses, 2 commissions reported some electric utility roll-ins but stated there were none for gas utilities, and 9 commissions reported no roll-ins for either electric or gas utilities. Of the total number of responses, 23 commissions reported some gas and/or electric utility roll-ins for 71 utility companies.

For electric utilities, 21 commissions covering 44 companies reported some roll-in of fuel charges for 1977. The highest roll-ins reported were Alaska at 2.78 and 1.536 cents/kwh and Rhode Island at 1.448 cents/kwh. The lowest roll-ins reported include reductions of 0.170 cents/kwh in North Carolina, 0.022 cents/kwh in North Dakota, and 0.128 cents/kwh in Michigan, and a 0.01 cent/kwh increase in Alaska. Nine commissions reported no FAC roll-ins for 1977.

For gas utilities, 11 commissions covering 27 companies reported some roll-ins of gas fuel adjustment charges. The highest roll-ins reported were in Illinois at 11.31 and 11.25 cents/therm and North Dakota at 15.632 cents/therm. The lowest roll-in reported was also in Illinois at 0.77 cents/therm. Eleven commissions reported no gas FAC roll-ins for 1977.

Appendix Table B-IX was prepared from data supplied by the commissions in response to question III, giving FAC's for December 1976 and December 1977, and question IV, giving the amount of FAC roll-ins for 1977. Only those commissions responding to both question III and question IV are included in this table in an attempt to determine the total increase (or decrease) in fuel costs reflected in utility rates in 1977. Appendix Table B-IX shows separately for electric and gas utilities the amount of the roll-in in 1977 [Col. (1)] and the December 1976 and December 1977 FAC's [Col. (2) and (3), respectively]. From these data are calculated the percent that 1977 roll-ins were of December 1977 fuel adjustment charges [Col (4)], and the percentage increase (or decrease) in FAC's from December 1976 to December 1977 [Col. (5)]. The sum of these data [shown in Col. (6)] indicates the total increase (or decrease) in fuel charges for the various utilities since December 1976, as reflected both in FAC's and in the fuel portion of the basic tariffs. There are 30 commissions representing 101 electric and 104 gas utilities included in this table.

The data contained in Appendix Table B-IX show a continuation of the trend which was displayed in the same table in last year's report: i.e., for the utilities which show an inclusion of fuel charges in the basic tariffs, this increase in the fuel portion of utility rates is offset (partially or totally) by a decrease in the fuel adjustment clause. A greater number of commissions, however, reported no FAC roll-ins for 1977. (Commissions in 11 jurisdictions reported no FAC roll-ins for 1977, whereas 7 commissions reported no FAC roll-ions for 1976.) Also, a number of commissions reported that changes in the fuel adjustment charges of the utilities within their jurisdiction are subject to periodic review. These two conditions may indicate a closer review of utility fuel-related expenses on behalf of commissions than has been the case in the past.

Of the 101 electric utility companies listed in Appendix Table B-IX, 58 had no change in the rolled-in portion of fuel charges (i.e., the commission reported no roll-ins), and 3 companies had a decrease in the amount of fuel charges included in basic rates. Of these 61 companies, 21 also had a negative percentage change in the December 1976 to December 1977 FAC, resulting in a negative (decrease) total percentage change in fuel charges in 1977 (as reported in column 6 of the table). A total number of 33 electric utilities of those for which data was tabulated show a decrease in the amount of fuel charges for 1977, thus total fuel charges are continuing to increase for about two-thirds of the companies reported.

For the gas utilities, 77 of the 104 companies listed have zero roll-ins for 1977. However, only 22 of the companies have a negative total percentage changes in fuel charges for 1977, indicating that even with the lower number of roll-ins total fuel charges continued to increase during 1977.

B. Average Costs of Fuels Consumed in Generating Power, December 1975, 1976 and 1977

In an attempt to determine the percentage increase in the cost of fuels used in generating electricity with which to compare the percentage increase in utility fuel adjustment changes, the commissions this year were asked to supply data on the average costs of the various fuels consumed in generating power for the utilities within their jurisdiction as of December 1975, 1976 and 1977. Eighteen commissions responded to this question and provided data on the average cost of fuels used in generating electric power. However, in most instances the cost figures provided were not for individual utility companies but rather an average cost figure for all the electric utility companies within a particular jurisdiction. Also, in most instances, the cost figure provided is not on a per kwh generated basis but rather on a per million Btu basis (which is a measure of the heat content of the fuel), or on a cost per ton (for coal), or per barrel (for oil), or per therm (for gas). Thus a direct comparison of the percentage increase in fuel costs with the percentage increase in FAC charges is not possible. This is due to the fact that fuels consumed in generating power are converted from a per Btu basis to a per kwh basis at various levels of efficiency, depending on the efficiency of each generating facility on a utility's system. The cost per kwh generated for an entire system is the weighted average of the cost per kwh generated at each power plant on the system.

The data supplied by the commissions in answering the question on average fuel costs is contained in Appendix Table B-X. Although a direct comparison with increases in fuel adjustment clauses cannot be made, some useful comparisons of the data provided can still be accomplished. The data in this table shows a wide variation in the change in fuel costs among the various States and within the same State. In Florida, for example, the combined cost of fuel on a per kwh basis decreased by 16 percent for one utility between 1975 and 1977 but increased by 35 percent for another utility. With 11 jurisdictions providing data, the average cost of nuclear fuel increased by 26.42 percent from 1975 to 1977 with the largest increase of 95.23 percent reported in California and a reduction in cost of 44.47 percent reported by Connecticut. Thirteen jurisdictions reported an average increase in the cost of oil used to generate power of 16.57 percent, with the largest increase of 39.32 percent occurring in Illinois and a reduction in cost of 39.55 percent reported in Louisiana. The average increase in the cost of gas for 1975-1977, with 13 jurisdictions reporting, was 66.66 percent with Mississippi reporting both the largest increase; 148.24 percent, and the lowest; a 5.73 percent reduction. Coal averaged a 13.29 percent increase for 21 jurisdictions, the highest increase of 54.34 percent reported by Utah, and the lowest, a negative 30.27 percent, reported by South Carolina.

IV. Summary and Interpretation of Responses-- Questions V, VI, VII, IX and X

With each annual survey, questions in addition to FAC information are asked of the commissions treating several current or continuing issues. Answers to five questions (numbers V, VI, VII, IX and X on this year's questionnaire) are displayed in Summary Table B-XI and are discussed below.

In this year's survey, a question was asked about the relative amount of commission time devoted to the regulation of electric and gas companies where a comission has jurisdiction over the transport and/or communications sectors as well (Question V). The answers to this question appear in Column 1 of Appendix Table B-XI.

With 44 jurisdictions replying, the average time spent on electric and gas utility regulation by commissions with multiple jurisdiction was 50 percent. The range of responses varied from 10 percent (Tennessee) to 85 percent (Wyoming). Of note also is that 19 commissions spent 60 percent or more of their time on this aspect of their regulatory authority. Footnotes to the table indicate that the basis for estimation varied somewhat in these responses--one State using relative budgets, another reporting according to time spent by the functional divisions within the commission (e.g., Engineering, Accounting, etc.), and another estimating by number of hearing days attributable.

Question VI asked if commissions had looked into further opportunities for system interconnection for the purpose of pooling or wheeling of electric power. The summary of replies to this question appears in Column 2 of the table.

Of the 46 States responding, only 11 said that they had examined such opportunities during 1977. In answering in the negative, some commissions indicated that they largely left the issue up to utilities to determine; others felt that all opportunities have already been exhausted; and one (Wisconsin) reported that the exception is where the commission looks for potential for joint ownership of new generating capacity by municipal or other small utilities.

Puerto Rico and the Virgin Islands concluded that the question doesn't apply to their circumstances.

It would seem fair to say that passage of the National Energy Act with its emphasis on power interties might well see a larger percentage of commissions active in this aspect of their regulatory authority. Admittedly, however, it is a difficult undertaking in that interconnects, pooling and wheeling arrangements are often frought with substantial technical, legal and institutional obstacles for individual State commissions.

Question VII asked if the commissions foresaw any regulatory difficulties arising out of placing the power companies into the residential insulation business. Answers from the 46 commissions replying to this question appear in Column (3), with 18 saying "yes", 18 saying "no", and 7 stating that they are currently studying the matter.

The actual or presumed difficulties, as seen by the regulator, were several in number. Some cited the problems of raising capital in an industry already worried about its substantial capital needs (Delaware, Hawaii, Wyoming); some said that the utility companies lacked expertise in the field (South Carolina, Texas); most worried about the problems posed directly for ratemaking (Georgia, Iowa) and for cost-of-service separations and accounting (Louisiana, Maine, New Jersey, Oregon, Tennessee, Washington). While some said it was too early to tell (New York) or that its relation to ratemaking was yet to be determined (Massachusetts), others were adamant that insulation-related costs and assets not get mixed up with allowable utility expenses or rate base (Maine). The Indiana response was, perhaps, most vehement in stating

> ... it would take an entire volume ... to explain the problems ... from allowing power companies into the insulation business. [I] can see very little good and much potential difficulty with regulated electric and gas utilities becoming involved.... We've only recently been successful with getting them out of the appliance sales business....

The status of the several programs varies a great deal. Two States have experimental programs (Virginia, New Jersey); the issue is pending before the Arkansas Commission; the Idaho Commission opposed the power company's application to promote and guarantee loans for insulation (not to make loans), but required that loan guarantees be available to all customers--not only electric heating customers as requested by the company.

Question IX inquired of the commissions to acknowledge if they make any attempt to evaluate explicitly, one against another, the performance of utilities similarly circumstanced. As presented in Column (4) of the Appendix Table B-XI, of the 42 jurisdictions replying only 14 answered in the affirmative, with 23 answering in the negative and 5 saying "not explicitly."

Methods of comparison included rate level comparisons (Iowa) and efficiency audits (Michigan and Missouri). Some felt that the question was not applicable to their commission because there is only one generating utility within its jurisdiction (Delaware, Puerto Rico, Virgin Islands). This is to take a very limited view of possible comparabilities, however, in that there may be utilities similarly circumstanced against which efficiency and other comparisons might be made, though this is somewhat more difficult when they are located in other jurisdictions. In any event, this area of State commission regulation--the setting and measuring of standards of utility company performance, one against another--has long been viewed by academics and other professionals in the public utility field as holding great potential for improving regulation in the public interest. The major resistance has come, not surprisingly, from the utilities which argue the uniqueness of each utility system.

The matter of extraordinary authority for dealing with declared or undeclared energy emergency situations was the subject of Question X. As indicated in Column (5), the results show that 29 commissions feel that they have such authority and 16 reported that such powers were not specifically provided them. Most of the emergency authorities (in addition to rate relief) have to do with curtailment and allocation plans, either filed by the utility companies for commission approval or initiated by the commissions. The Missouri Commission has authority to order the sharing of fuel and power inventories: New York has electric load shedding procedures: Texas can order augmentation of natural gas supplies: the Georgia Commission must approve emergency purchases of natural gas.

A number of State commissions look to the Governor's Office in energy emergencies. In Iowa, the commission chairman is energy adviser to the Governor: the Maryland Commisioner may administer the Governor's executive orders; Massachusetts counts on "voluntarism and the Governor"; the Michigan Energy Administration has the responsibility in that State; in North Carolina, the Governor's emergency powers are said to "take care of it": and in Virginia, the Governor with the commission allocates emergency natural gas supplies.

Considering the information supplied, it appears that a good deal more could be done before one could conclude that the State regulatory commissions taken as a whole have comprehensive contingency plans able to be quickly implemented should the need arise.

V. Summary

The data supplied by the various regulatory commissions and summarized in the preceding sections of this report show that substantial general rate increases and fuel cost adjustment charge revenues are continuing to impact upon the ratepayer. General rate increases of $2.4 billion and FAC revenues of $11 billion during 1977, as extrapolated to 52 jurisdictions from those reporting, are ample evidence of a continued increase in the rates of charge for electric and gas utility service. The figures obtained in this year's report, however, represent some interesting variations from those obtained in the previous two years.

Total general rate increases requested in 1977 were reported to be $4.7 billion, as opposed to $6.5 billion in 1976 and $6.0 billion in 1975. This substantial reduction in the amount of rate relief requested by the Nation's electric and gas utilities may reflect the gradually improving financial health of the industry and the fact that some $11-12 billion in general rate increases was granted during the previous two-year period.[1/] The amount of rate relief granted during 1977, some $2.4 billion, is also below the 1976 figure of $3.1 billion, while the amount pending is identical ($3.9 billion). These figures may indicate a lengthening of the time taken to resolve a formal rate request since the percentage of rate increases pending to requested is higher than it has been in the past two years.

1/ As reported in last year's report, Electric and Gas Utility Rate and Fuel Adjustment Clause Increases, 1976, op. cit., p. 12.

Although the amount of rate increases requested and granted has declined during 1977, the amount of fuel adjustment charge revenues has increased. The total amount of fuel adjustment charge revenues reported in 1975 was $11.5 billion (as extrapolated to 52 jurisdictions). The same figure for 1976 was $9.6 billion, and for 1977 it is $11 billion. The largest increase in the FAC revenues occurred among the gas utilities, as recent price increases seem to have worked their way through the system. The latest figures for fuel cost adjustments offer little reason for optimism in the hope that the fuel portion of a consumer's utility bill will cease its recent precipitous increase.

The practice of "rolling-in" changes in fuel supply cost into the basic rate schedules of utility company tariffs continued this year, although at what appears to be a somewhat slower rate than during 1976. This year (1977) the number of commissions reporting no FAC roll-ins increased to 11, from a reported 7 commissions in 1976. Also, a number of commissions this year reported a periodic review of FAC charges, an occurrence which may become a trend in future years. However, it is important to remember that a periodic review is not the same as an evidentiary hearing, and care must be taken to ensure that such reviews do not simply "rubber-stamp" the information provided by the utility companies.

APPENDIX A

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SUBCOMMITTEE ON
INTERGOVERNMENTAL RELATIONS
(202) 224-4718
(PURSUANT TO S. RES. 4 AND S. RES. 71, 95TH CONGRESS)
WASHINGTON, D.C. 20510

Letter sent to all state commission chairman

March 14, 1978

Dear :

Each of the past three years Senate Governmental Affairs subcommittees have jointly surveyed State utility commissions regarding fuel adjustment clauses and other matters related to utility rates. The information collected, and published after tabulation and analysis by the Congressional Research Service of the Library of Congress, has proven useful to regulators, other Federal and State officals and the energy industry.

Last year 45 State Commissions--the most ever--cooperated in this survey. So that all affected parties can better gauge the impact of rate and automatic adjustment clause changes and update information collected previously, we would appreciate your completion of the enclosed questionnaire, as it applies to electric and gas utilities regulated by your commission.

This survey has been discussed with the National Association of Regulatory Utility Commissioners, which verified that this questionnaire would not duplicate data which it or others collect, and that your and other commissions' responses will be useful to NARUC and its constituent commissions. In addition, the data will be helpful to the Department of Energy and the Congress, whose energy conferees have called for studies of the operation of automatic adjustment clauses.

The questionnaire is designed for reporting information for calendar year 1977. It will be most helpful if you complete and return it no later than April 21, 1978. If you have any questions or difficulties regarding the questionnaire, please call Russell J. Profozich at the Library of Congress please call Russell J. Profozich at the Library of Congress (202) 426-6408, David Johnson, counsel to the Subcommittee on Intergovernmental Relations (202) 224-4718 or Vic Reinemer of the Subcommittee on Energy, Nuclear Proliferation and Federal Services (202) 224-1474.

The completed questionnaire should be sent to Mr. Profozich, Economics Division, Congressional Research Service, Library of Congress, Washington, D.C. 20450.

Your cooperation will be deeply appreciated.

Enclosed for convenient reference is last years's committee print, "Electric and Gas Utility Rate and Fuel Adjustment Clause Increases 1976."

John Glenn

John Glenn, Chairman
Subcommittee on Energy, Nuclear
Proliferation and Federal
Services

Edmund S. Muskie

Edmund S. Muskie, Chairman
Subcommittee on
Intergovernmental Relations

Enclosure

QUESTIONNAIRE TO STATE COMMISSION CHAIRMEN
Table of Energy Utility Rate Increases, 1977

I. Rate Increases Granted by ______________________________ during 1977
(Type in state regulatory body name)

Utility	Type	Amount Requested $ Amount % Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
	A. Electric						
	B. Gas						

II. Rate Increases Pending Before Your Commission

Utility	Type	Amount Requested $ Amount % Increase	Allowed Rate of Return (1977)	Requested Rate of Return (if different)	Fair Value or Original Cost Basis	Date Filed
	A. Electric					
	B. Gas					

III. Rate Increase Through Operation of Fuel Adjustment Clauses (i.e., granted without full evidentiary hearings)*

Utility	Type	Total Revenue (1977) from Utility Sales	1977 Revenues Derived from FAC	1976 Revenue Derived from FAC	December 1977 FAC in cents/kwh or cents/therm	December 1976 FAC Revenues in cents/kwh or cents/therm
	A. Electric					
	B. Gas					

* FAC includes both fuel adjustment clauses (electric utilities) and purchased gas adjustment clauses (gas utilities).

Questionnaire to State Commission Chairmen (Cont.)

IV. If during 1977 fuel charges previously handled through FACs have been folded into basic rates, please give date and total dollar amount folded in.

V. Where your commission has jurisdiction over several public utility sectors (e.g., power, communications, transportation) what proportion of commission time would you estimate is spent on the regulation of the electric and gas companies?

VI. Has your commission in 1977 examined any opportunities for further system interconnections for the wheeling or transmission of electric power? If so, what are the results?

VII. Does your commission foresee any regulatory difficulties arising from allowing the power companies into the residential insulation business as proposed in various legislative initiatives? Please elaborate.

VIII. For utilities under your jurisdiction, what were the average costs for the various fuels consumed in generating power as of December 1975, December 1976, and December 1977?

IX. Does your commission make any attempt to evaluate explicitly, one against another, the performance of utilities similarly circumstanced?

X. What extraordinary authorities does your commission possess to deal with energy emergency situations, whether formally declared or not? If exercised in 1977, please give details.

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APPENDIX B

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Amount Requested						
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Alabama Public Service Commission								
Alabama Power	Electric	205,300,000	26.62	91,100,000	7.33	5.33	OC	4/26/77
Alaska Public Utilities Commission								
Glacier Hwy Elec.	Electric	89,617	27.00	89,617	5.19	NA*	OC	6/23/77
Golden Valley Elec.	"	2,045,297	-	2,045,297	NA	NA	OC	12/20/77
Haines Lt. & Pwr.	"	680	-	1,210	12.45	NA	OC	3/25/77
Matanuska Elec.	"	91,704	68.00	82,320	4.44	NA	OC	2/22/77
Northern Pwr. & Eng.	"	69,820	-	49,943	NA	NA	OC	11/28/77
Yakutat Power Inc.	"	54,180	19.47	50,621	11.90	NA	OC	4/22/77
		2,351,298		2,319,008				
Alaska Gas & Serv.	Gas	7,244,629	-	5,451,383	11.07	NA	OC	5/18/77
Arizona Corporation Commission								
Arizona Publ. Serv.	Electric	70,652,000	23.000	57,423,000	8.32	14.26	FV	8/1/77
" " "	Gas	9,845,000	12.00	15,264,000	7.94	13.88	FV	8/1/77
Arkansas Public Service Commission								
Arkansas Pwr. & Lt.	Electric	56,408,480	18.20	32,069,779	9.48	NA	OC	3/15/77
Ark.-Mo. Pwr.	"	1,830,018	16.57	1,600,769	8.70	NA	OC	9/9/77
Clay County Elec.	"	112,401	3.90	107,659	5.63	NA	OC	9/6/77
Craighead Elec.	"	437,765	6.80	389,459	6.10	NA	OC	2/1/77
Farmers Elec.	"	48,061	2.60	(16,048)	4.50	NA	OC	9/2/77
Ouachita Elec.	"	198,037	9.90	170,906	5.41	NA	OC	11/10/77
Ozarks Elec.	"	270,915	4.44	22,373	5.47	NA	OC	12/12/77
		59,305,677		34,544,897				
Ark.- Mo. Power	Gas	464,538	9.93	4,546	8.70	NA	OC	9/9/77

* NA = Not available.

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Amount Requested						
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
California Public Utilities Commission								
Pacific P & L	Electric	2,974,000	25.00	2,974,000	9.08	NA	OC	3/14/77
San Diego Gas & El.	"	105,721,100 1/	38.40	9,410,000	9.50	9.62	OC	7/26/77
		108,695,100		12,384,000				
Southwest Gas	Gas	2,360,175	20.00	1,655,000	9.75	7.55	OC	2/23/77
San Diego Gas & El.	"	13,664,800 2/	15.80	- 0 -	9.50	11.94	OC	7/26/77
		16,024,975		1,655,000				
Colorado Public Utilities Commission								
City of Colo. Sprngs	Electric	2,248,305	22.88	871,604	-	-	-	9/1/77
Colorado Ute	"	3,661,365	16.87	3,392,010	7.04	NA	-	1/15/77
" "	"	5,032,256	19.60	4,535,532	8.32	NA	-	3/30/77
Delta-Montrose Elec.	"	303,043	6.55	303,043	11.67	NA	-	1/26/77
City of Glnwd Sprngs	"	69,472	20.30	42,781	-	-	-	3/7/77
Holy Cross Elec.	"	145,174	2.39	145,174	5.41	NA	-	9/21/77
Intermountain REA	"	1,153,756	16.39	1,124,367	6.90	NA	-	7/13/77
K.C. Electric	"	366,518	10.80	366,518	5.60	NA	-	4/28/77
City of Lamar	"	277,485	18.18	227,485	-	-	-	11/11/77
Las Animas Mncpl L & P	"	54,106	22.66	54,106	-	-	-	12/15/77
City of Longmont	"	90,007	13.59	90,007	-	-	-	12/22/77
City of La Junta	"	42,200	12.91	42,200	-	-	-	-
La Plata Elec. Assn.	"	395,558	7.69	395,558	-	-	-	7/28/77
Mountain Parks Elec.	"	212,437	8.70	148,289	5.40	NA	-	11/9/77
Mountain View Elec.	"	225,269	6.09	225,269	6.36	NA	-	4/14/77
Pblc Srvce Co. of Colo.	"	42,827,764	13.88	21,465,413	8.85	NA	-	11/1/77
San Miguel Power Assn.	"	332,275	11.92	332,275	7.00	NA	-	3/23/77
San Isable Elec. Serv.	"	487,665	17.58	325,515	5.85	NA	-	12/23/77
White River Elec.	"	117,526	8.37	117,526	5.71	NA	-	4/4/77
		57,992,181		34,204,672				

1/ Interim granted in 1975 Electric - $24,100,000. 2/ Interim granted in 1975 Gas - $3,100,000.

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Amount Requested						
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Colorado Public Utilities Comm. (con't)								
City of Colo. Sprngs	Gas	914,153	13.80	914,153	-	-	-	2/11/77
Eastern Colo. Util.	"	17,523	4.09	4,344	7.58	NA	-	6/23/77
Town of Ignacio Min.	"	12,534	19.95	11,748	-	-	-	10/25/77
Peoples Natural Gas	"	98,199	2.22	98,199	10.006	NA	-	7/14/77
Pub. Serv. Co. of Colo.	"	12,149,313	9.34	7,458,063	9.09	NA	-	11/1/77
Town of Rangely	"	13,727	76.85	13,727	-	-	-	10/5/77
Rocky Mt. Natural Gas	"	4,947 1/	3.46	3,726	10.49	NA	-	1/11/77
" " " "	"	27,715 2/	4.66	21,089	10.49	NA	-	1/11/77
" " " "	"	802,678 3/	11.90	606,600	10.49	NA	-	1/11/77
Salida Gas Service	"	17,851	2.90	17,851	10.25	NA	-	4/15/77
" " "	"	41,816	6.43	41,008	10.99	NA	-	8/18/77
" " "	"	11,480	9.11	11,480	10.93	NA	-	8/24/77
Western Slope Gas	"	(710,258)	(0.88)	(710,258)	10.77	NA	-	1/1/77
		13,401,678		8,491,730				
Connecticut Public Utilities Control Authority								
Conn. Light & Power	Electric	55,767,000	16.10	20,679,000	9.19	7.72	OC	10/25/77
" " "	Gas	4,819,000	7.20	1,958,000	9.19	7.72	OC	10/25/77
Delaware Public Service Commission								
Delaware P & L Co.	Electric	26,000,000	17.90	26,000,000	9.09	NA	OC	8/15/77
" " " "	Gas	5,200,000	16.00	4,459,295	9.98	NA	OC	1/3/77
Chesapeake Utilities	"	266,876	13.14	206,525	9.75	NA	OC	6/28/77
		5,466,876		4,665,820				
District of Columbia Public Service Commission		None						

1/ Dove Creek Area 2/ North Central Area 3/ Western Slope Area

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
State Commission and Company	Type (Electric or Gas)	Amount Requested: $ Change	Amount Requested: % Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Florida Public Service Commission								
Florida Power Corp.	Electric	62,325,262 1/	12.00	59,468,468	8.55	8.38	OC	4/28/77
Tampa Electric	"	39,900,000	13.00	19,309,135	8.04	7.05	OC	10/4/77
Gulf Power	"	31,800,000	22.60	10,145,953	8.39	6.76	OC	9/27/77
Florida P & L Co.	"	349,000,000	30.30	195,496,841	9.16	8.80	OC	6/16/77
		483,025,262		284,420,397				
Peoples' Gas System	Gas	3,930,381	18.10	2,950,310	9.48	8.44	OC	7/15/77
Georgia Public Service Commission								
Savannah Electric	Electric	6,548,000	16.16	4,892,000	10.3094	NA	OC	6/21/77
Georgia Power Co.	"	197,600,000	18.80	97,600,000	9.36	NA	OC	9/6/77
		204,148,000		102,492,000				
Gas Lt. of Columbus	Gas	933,390	4.90	673,705	10.36	NA	OC	12/1/77
Hawaii Public Utilities Commission								
Hawaiian Electric	Electric	13,546,000	7.50	11,131,000	9.31	8.32	OC	8/18/77
Molokai Electric	"	343,000	22.50	220,000	10.45	7.85	OC	9/29/77
		13,889,000		11,351,000				
Idaho Public Utilities Commission								
Washington Wtr.Pwr.	Electric	7,500,000	25.10	3,847,000	8.77	NA	OC	4/14/78
Idaho Power Co.	"	20,460,900	17.37	12,129,000	8.43	NA	OC	11/28/77
Utah P & L Co.	"	12,535,716	26.58	3,371,408	9.67	NA		9/29/77
		40,496,616		19,347,408				
Intermountain Gas	Gas	2,111,974	2.90	1,550,469	9.77	NA	OC	12/13/77

1/ Interion rate increase.

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
State Commission and Company	Type (Electric or Gas)	Amount Requested $ Change	Amount Requested % Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Illinois Commerce Commission								
Centr.Ill. Pub. Srv.	Electric	41,600,000	20.30	18,940,000	8.90	NA	-	4/8/77
Commonwealth Edison	"	280,000,000	14.50	152,600,000	9.30	NA	-	10/12/77
Illinois Power	"	42,191,000	14.90	32,001,000	9.30	NA	-	6/15/77
Iowa-Ill. Gas & Elec.	"	8,400,000	22.00	6,555,000	8.75	NA	-	1/17/77
Mt. Carmel Pub. Util.	"	227,520	10.00	227,520	8.67	NA	-	9/28/77
		372,418,520		210,323,520				
Centr.Ill. Light Co.	Gas	763,000	1.20	763,000	8.90	NA	-	2/16/77
" " " "	"	372,000	0.50	372,000	-	NA	-	4/13/77
Centr.Ill. Pub. Serv.	"	5,353,000	10.90	2,687,000	8.95	NA	-	4/8/77
Gas Utilities Co.	"	376,000	20.20	158,000	8.50	NA	-	3/1/77
Ill. Gas & Elec.	"	77,000	0.30	77,000	-	NA	-	3/23/77
Mt. Carmel Pub. Util.	"	54,667	5.40	54,667	8.99	NA	-	9/28/77
Union Electric Co.	"	1,023,700	12.40	868,000	8.80	NA	-	6/8/77
" " "	"	795,300	13.50	795,300	8.80	NA	-	11/2/77
United Cities Gas	"	51,500	1.50	51,500	-	NA	-	3/16/77
		8,866,167		5,826,467				
Indiana Public Service Commission								
Indiana & Michigan	Electric	75,000,000	33.00	41,770,000	7.40	NA	FV	1/31/77
N'ern Ind. Pub.Serv.	"	59,850,000	17.80	49,000,000	7.25	5.02	FV	9/27/77
		134,850,000		90,777,000				
Indiana Gas	Gas	15,634,000	-	15,251,000	7.10	-	FV	11/23/77
Iowa State Commerce Commission								
Iowa Power & Light	Electric	7,888,176	6.60	5,367,176	8.79	NA	OC	10/28/77
" " "	Gas	3,090,924	6.60	2,578,924	8.79	NA	OC	10/28/77

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Amount Requested						
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Kansas State Corporation Commission								
Empire District El.	Electric	539,188	12.00	382,648	8.81	NA	OC	7/1/77
Kansas City P & L	"	18,900,000	28.32	9,848,565	8.85	NA	OC	10/4/77
Kansas Gas & Elec.	"	15,099,874	11.87	7,994,184	8.85	NA	OC	9/12/77
" " "	"	32,888,063	10.30	14,128,510	8.70	NA	OC	7/22/77
Kansas P & L Co.	"	31,400,721	22.83	7,981,965	8.439	NA	OC	5/13/77
		98,827,846		40,335,872				
Greeley Gas-Cain Div.	Gas	144,000	7.16	63,432	10.17	NA	OC	2/25/77
" "-Cen.Kan.Div.	"	138,818	11.56	48,323	10.30	NA	OC	2/25/77
Kans.-Nebraska Nat.Gas	"	2,686,027	17.57	800,000	9.84	NA	OC	11/10/77
Peoples Div. of North. Nat. Gas	"	1,005,729	4.57	754,005	9.068	NA	OC	3/16/77
Union Gas System	"	631,823	4.20	510,685	10.13	NA	OC	7/8/77
		4,606,397		2,176,445				
Louisiana Public Service Commission								
Cent. Louisiana El.	Electric	13,700,000	16.00	- 0 -	-	-	OC	9/20/77
Gulf States Util.	"	23,800,000	12.80	- 0 -	-	-	OC	2/4/77
Louisiana P & L	"	54,000,000	24.60	5,000,000	-	-	OC	11/23/77
S'western Elec. Pwr.	"	10,300,000	18.40	- 0 -	-	-	OC	11/23/77
		101,800,000		5,000,000				
Cent. Louisiana El.	Gas	1,600,000	14.00	- 0 -	-	-	OC	9/20/77
Gulf States Util.	"	2,100,000	25.10	1,400,000	-	-	OC	2/4/77
		3,700,000		1,400,000				
Maine Public Utilities Commission								
Madison	Electric	79,475	18.80	79,475	NA	NA	OC	10/18/77
Van Buren	"	12,097	2.31	(30,013)	NA	NA	OC	12/14/77
		91,572		49,462				

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
State Commission and Company	Type (Electric or Gas)	Amount Requested $ Change	Amount Requested % Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Maryland Public Service Commission								
Baltimore G & E	Electric	102,000,000	NA	55,385,000	9.11	-	-	11/28/77
Delmarva P & L	"	8,090,372	14.73	5,731,433	8.65	-	-	11/14/77
Potomac Edison	"	16,200,000	NA	12,361,000	9.16	-	-	8/2/77
Potomac Elec. Pwr.	"	1/	NA	(3,582,000)	-	-	-	11/15/77
Somerset Elec.	"	17,839	14.70	17,839	5.4	-	-	4/11/77
		126,308,211		69,913,272				
Baltimore G & E	Gas	18,000,000	NA	18,000,000	9.11	-	-	11/28/77
Cambridge Gas	"	43,465	NA	37,684	9.50	-	-	2/14/77
Chesapeake Util.	"	114,199	9.39	109,522	9.00	-	-	9/26/77
Washington Gas Lt.	"	3,260,000	2.24	2,771,000	9.25	-	-	12/15/77
		21,417,664		20,918,206				
Massachusetts Department of Public Utilities								
Fitchbury G & E	Electric	2,795,000	-	1,062,109	10.05	-	-	8/31/77
Massachusetts Elec.	"	9,223,000	2.00	- 0 -	8.12	-	-	10/4/77
Nantucket Elec.	"	463,316	18.00	339,057	10.086	-	-	12/23/77
Western Mass. Elec.	"	20,300,000	26.00	16,757,000	9.93	-	-	4/18/77
		32,781,316		18,158,166				
Cape Cod Gas Co.	Gas	3,916,363	22.50	1,332,380	9.80	-	-	8/1/77
Fall River Gas Co.	"	1,200,730	6.50	661,054	9.99	-	-	12/30/77
Fitchbury G & E	"	838,000	13.36	553,734	10.05	-	-	8/31/77
Lowell Gas Co.	"	6,425,228	25.40	2,683,926	9.94	-	-	8/1/77
North Attleboro Gas	"	92,236	14.50	59,267	11.38	-	-	4/26/77
		12,472,557		5,290,361				
Michigan Public Service Commission								
Detroit Edison	Electric	130,572	10.00	65,342	8.97	6.79	-	5/27/77
Cooperatives	"	2,441	various	2,221	various	various	-	various
Other Private Util.	"	780	various	576	various	various		various
		133,793		68,139				

1/ Commission initated action.

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
State Commission and Company	Type (Electric or Gas)	Amount Requested $ Change	 % Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Michigan Public Service Commission (con't)								
Michigan Power Co.	Gas	2,088,793	6.70	1,341,021	9.39	6.8 1/	-	2/7/77
Consumers Power Co.	"	54,157,000	8.90	4,928,000	7.79	7.63 2/	-	3/21/77
		56,245,793		6,269,021				
Minnesota Public Service Commission								
Anoka Elec. Coop.	Electric	966,000	10.00	984,000	6.83	-	OC	2/24/77
Coop. L & P	"	68,000	10.00	68,000	4.44	-	OC	2/2/77
Crow Wing Coop.	"	584,920	10.85	521,490	8.32	-	OC	12/23/77
Dairyland Elec.	"	394,061	11.37	394,716	6.65	-	OC	10/6/77
Freeborn Mower El.	"	219,790	6.40	187,412	7.10	-	OC	9/28/77
Interstate Power	"	2,203,000	13.10	1,239,000	8.68	-	OC	6/30/77
Itasca Mantrap	"	236,000	27.00	123,000	6.39	-	OC	2/24/77
McLeod Elec. Coop.	"	169,230	6.00	157,014	7.06	-	OC	12/15/77
Mille Lacs Elec.	"	253,000	15.00	224,000	4.82	-	OC	5/20/77
Minnesota P & L	"	31,500,400	21.00	25,229,656	9.825	-	OC	2/3/77
Northern States Pwr.	"	48,000,000	11.00	31,000,000	9.00	-	OC	3/3/77
" " "	"	69,861,000	14.50	37,896,000	9.05	-	OC	3/20/77
Redwood Elec. Coop.	"	198,000	24.00	198,000	7.06	-	OC	2/1/77
S'western Mtn. Elec.	"	228,500	18.00	207,000	8.65	-	OC	5/20/77
Wright Hennepin	"	802,000	18.00	782,000	7.28	-	OC	1/1/77
		155,713,901		99,211,288				
North Cent.Pub.Serv.	Gas	1,105,726	7.48	780,201	10.82	-	OC	12/30/77
Northern States Pwr	"	7,252,000	8.00	5,481,000	9.05	-	OC	9/19/77
		8,357,726		6,261,201				
Mississippi Public Service Commission		None						

1/ Quarter ended June 1977. 2/ Quarter ended December 1977.

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Amount Requested						
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Missouri Public Service Commission								
Arkansas-Mo. Pwr.	Electric	2,657,895	14.43	2,657,895	8.89	6.61	OC	11/10/77
Empire Dist. Elec.	"	3,300,000	9.20	2,865,780	9.04	7.10	OC	1/4/77
" " "	"	9,400,000	20.00	3,300,000	9.37	8.49	OC	2/2/78
Kansas City P & L	"	43,100,000	24.20	11,533,142	9.14	5.65	FV & OC	10/20/77
St. Joseph L & P	"	6,850,000	18.00	2,990,970	9.56	4.57	OC	7/15/77
Sho-Me Power	"	4,514,880 1/	-	4,514,880	-	-	-	12/5/77
Union Electric	"	65,400,000	14.19	30,755,498	9.11	8.60	FV & OC	1/27/78
		135,222,775		58,618,165				
Arkansas-Mo. Pwr.	Gas	482,638	18.11	277,730	9.88	5.53	OC	11/10/77
Associated Nat. Gas	"	950,176	9.64	428,169	9.88	4.69	OC	11/10/77
Laclede Gas Co.	"	13,570,195	6.20	8,718,140	9.28	7.36	FV & OC	7/1/77
St. Joseph L & P	"	127,417	4.50	71,921	9.57	8.42	OC	7/15/77
		15,130,426		9,495,960				
Montana Public Service Commission								
Montana Power Co.	Electric	16,650,601	20.00	2,069,000	10.70	NA	OC	2/2/77
Montana-Dakota	"	2,489,000	36.00	1,522,000	9.75	NA	OC	8/17/77
		19,139,601		3,591,000				
Montana Power Co.	Gas	28,800,000	45.00	26,862,209	11.60	NA	OC	12/5/77
Montana-Dakota	"	2,419,000	15.00	774,000	9.75	NA	OC	8/17/77
		31,219,000		27,636,209				
New Hampshire Public Utilities Commission								
Conn. Valley Elec.	Electric	334,057	6.80	334,057	7.00	3.84	OC	3/1/77
Littleton Wtr. & Lt.	"	718	4.80	718	-	-	OC	7/18/77
" " "	"	1,306	9.78	1,306	-	-	OC	6/9/77
		336,081		336,081				
Concord Nat. Gas	Gas	188,204	10.11	188,204	10.70	9.2	OC	1/1/77
No. Util. Inc.	"	387,765	8.60	335,000	9.66	8.0	OC	4/11/77
		575,969		523,204				

1/ Emergency-Increased Purchase Power Costs.

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Amount Requested						
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
New Jersey Department of Public Utilities								
Jersey Cent. P & L	Electric	110,000,000	20.00	20,000,000 1/	9.7	-	-	8/1/77
Rockland Electric	"	7,918,000 2/	17.00	6,507,470	9.89	NA	-	11/23/77
		117,918,000		26,507,470				
New Jersey Nat. Gas	Gas	8,354,000	10.00	3,347,474	9.61	9.61	OC	12/8/77
New York Public Service Commission								
Cent. Hudson G & E	Electric	13,752,400	9.20	6,993,000	13.3	11.4	OC	7/16/77
Consolidated Ed.	"	249,800,000	10.40	45,400,000	13.0	11.7	OC	5/25/77
" "	"	1,896,900	1.90	1,896,900	13.0	11.7	OC	5/25/77
" "	"	(7,511,600)	(7.20)	(7,511,600)	13.0	11.7	OC	7/1/77
" "	"	19,938,000	0.80	19,938,000	13.0	11.7	OC	7/28/77
Village of Green Is.	"	59,100	31.90	59,000	-	-	OC	10/15/77
Village of Greenport	"	63,100	8.50	63,100	-	-	OC	11/1/77
Long Is. Lighting	"	6,772,000	1.10	6,772,000	13.5	14.1	OC	1/20/77
" " "	"	100,573,000	15.70	15,000,000 3/	-	14.1	OC	8/1/77
N.Y. State E & G	"	60,158,800	19.50	43,069,800	13.0	10.9	OC	11/1/77
Niagara Mohawk	"	9,484,200 4/	1.30	9,484,200	13.3	10.3	OC	6/1/77
" "	"	370,400 5/	1.60	370,400	13.3	10.3	OC	6/1/77
Orange & Rockland	"	20,418,900	17.60	10,823,000	13.0	10.1	OC	10/27/77
Rochester G & E	"	19,637,100	12.00	9,824,400	12.8	9.9	OC	11/11/77
		495,412,300		162,182,200				
Brooklyn Union Gas	Gas	6,823,900	2.00	6,823,900	13.75	NA	OC	8/5/77
Cent. Hudson G & E	"	1,688,000	8.50	1,680,000	13.3	11.4	OC	5/11/77
Consolidated Ed.	"	34,252,000	13.60	24,660,000	13.0	11.7	OC	10/27/77
Corning Nat. Gas	"	319,000	1.80	319,700	12.5	NA	OC	1/26/77
Granby & Hemenway	"	6,600	20.70	6,600	-	-	OC	7/1/77
Long Is. Lighting	"	25,139,000	18.70	9,350,000	13.5	14.1	OC	8/16/77

1/ Interim increase. 2/ Motion for reconsideration pending. 3/ Temporary rate increase, final decision pending. 4/ General rate increase. 5/ Street lighting.

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Amount Requested						
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
New York Public Service Commission (con't)								
N.Y. State E & G	Gas	7,683,600	11.10	6,150,700	13.0	10.9	OC	11/1/77
Orange & Rockland	"	4,444,700	9.30	2,127,400	13.0	10.1	OC	10/27/77
Pavilion Nat. Gas	"	91,900	1.50	91,900	8.07	NA	OC	12/1/77
Reserve Gas Co.	"	100,000	51.20	99,900	-	-	OC	5/1/77
Rochester G & E	"	6,841,700	7.50	2,536,000	12.8	9.9	OC	11/11/77
S'ern Tier Gas	"	40,900	4.20	40,900	7.3	NA	OC	1/19/77
		87,431,300		53,887,000				
North Carolina Utilities Commission								
Carolina P & L	Electric	69,239,000	14.96	44,235,000	9.47	7.44	OC	6/29/77
Domestic Elec. Serv.	"	43,000	4.28	43,000	11.35	-	OC	12/29/77
Nantahala P & L	"	1,831,000	19.41	1,599,000	8.50	6.31	OC	6/14/77
Virginia E & P	"	6,581,000	11.82	3,709,000	9.59	6.57	OC	6/30/77
W'ern Carolina Util.	"	60,000	19.24	54,000	12.67	-	OC	4/13/77
		77,754,000		49,640,000				
Public Serv. of N.C.	Gas	3,766,000	6.96	1,514,000	8.63	7.48	OC	2/11/77
North Dakota Public Service Commission								
Otter Tail Pwr. Co.	Electric	4,408,276	15.80	2,679,901	8.75	8.75	OC	4/22/77
Montana-Dakota Util.	"	2,824,766	11.75	2,306,803	8.85	8.91	OC	4/26/77
N'ern States Pwr.	"	4,948,000	16.40	2,863,378	8.75	-	OC	4/26/77
" " "	"	5,831,000	18.50	5,831,000	8.75	NA	OC	7/13/77
		18,012,042		13,681,082				
Great Plains Nat.	Gas	58,684	10.00	45,123	8.86	8.06	OC	4/12/77
Montana-Dakota Util.	"	1,251,739	5.51	1,251,739	8.73	6.20	OC	4/26/77
		1,310,423		1,296,862				

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED
BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
State Commission and Company	Type (Electric or Gas)	Amount Requested $ Change	% Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Ohio Public Utilities Commission								
Cincinnati G & E	Electric	2,507,000	13.23	1,903,000	9.13	NA	OC	5/4/77
Dayton Pwr. & Lt.	"	28,312,000	10.40	567,000	9.48	NA	OC	7/22/77
Monongahela Pwr.	"	2,798,000	21.38	1,956,000	9.52	NA	OC	9/7/77
Ohio Edison	"	49,475,000	39.00	33,486,000	9.07	NA	FV	2/4/77
Toledo Edison	"	44,511,000 1/	-	44,511,000	-	NA	OC	12/29/77
		127,603,000		82,423,000				
Columbia Gas of Ohio	Gas	71,000	34.05	79,000	10.0	NA	FV	2/16/77
" " " "	"	10,357,000	16.60	7,378,000	9.81	NA	OC	6/29/77
Dayton Pwr. & Lt.	"	16,203,000	11.17	6,220,000	9.48	NA	OC	7/22/77
River Gas	"	1,723,000	20.32	825,000	9.00	NA	OC	9/23/77
		28,354,000		14,502,000				
Oregon Public Utility Commissioner								
Idaho Power	Electric	1,781,400	29.74	1,781,400	7.71	6.0	OC	8/17/77
Pacific P & L	"	36,057,000	18.73	32,106,000	9.18	6.5	OC	11/4/77
Portland Gen. Elec.	"	47,946,000	18.50	32,511,000	9.41	6.9	OC	11/15/77
		85,784,400		66,398,400				
Cascade Natural Gas	Gas	918,050	8.97	246,548	9.82	7.7	OC	2/22/77
" " "	"	839,370	5.59	676,449	10.01	7.7	OC	11/16/77
California-Pacific	"	1,239,036	6.84	790,018	9.57	6.3	OC	6/13/77
N'west Natural Gas	"	18,800,000	8.70	14,350,000	10.38	8.9	OC	7/22/77
		21,796,456		16,063,015				
Pennsylvania Public Utility Commission								
Pennsylvania Power	Electric	5,233,700	-	1,304,000	-	-	-	3/25/77
Philadelphia Elec.	"	46,258,000	-	46,103,300	-	-	-	3/1/77
" "	"	1,047,900	-	539,600	-	-	-	3/1/77
" "	"	46,547,600	-	24,459,800	-	-	-	3/1/77
UGI Corp.	"	1,000,000	-	250,000	-	-	-	1/28/77
		100,087,200		72,656,700				

1/ Interim increase.

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Amount Requested						
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Pennsylvania Public Utility Commission (con't)								
Allied Gas	Gas	29,100	-	29,100	-	-	-	8/15/77
Apollo Gas	"	660,800	-	243,800	-	-	-	10/1/77
Chartiers Gas	"	13,700	-	12,000	-	-	-	11/1/77
Equitable Energy	"	505,900	-	306,600	-	-	-	2/1/77
Millport Gas	"	6,100	-	6,100	-	-	-	11/11/77
Myers Gas	"	5,100	-	5,100	-	-	-	6/1/77
North Penn Gas	"	1,806,200	-	1,658,700 1/	-	-	-	8/17/77
Oxford Gas	"	55,00	-	49,900	-	-	-	9/28/77
Pa. & S'ern Gas	"	325,000	-	325,000	-	-	-	6/28/77
Sergeant Gas	"	26,800	-	14,300	-	-	-	11/12/77
Waynesboro Gas	"	58,100	-	45,600	-	-	-	2/23/77
		3,491,800		2,696,200				
Puerto Rico Water Resources Authority		None						
Rhode Island Public Utilities Commission								
Blackstone Valley	Electric	4,330,000	9.60	3,005,000	10.16	NA	OC	2/17/78
Block Island Pwr.	"	72,000	-	47,300	10.09	NA	OC	6/28/77
Newport Elec.	"	720,000	4.30	606,000	8.39	NA	OC	10/7/77
		5,122,000		3,658,300				
Bristol & Warren	Gas	200,000	11.60	64,930	9.50	NA	OC	3/20/78
South Carolina Public Service Commission								
S. Carolina E & G	Electric	30,269,340	13.25	21,796,559	9.33	8.09	-	12/13/77

1/ Temporary rates allowed.

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Amount Requested						
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
South Dakota Public Utilities Commission								
Black Hills P & L	Electric	5,796,368	32.20	3,804,519	9.11	-	OC	9/13/77
Iowa Publ. Serv. Co.	"	51,600	5.16	(63,306)	9.07	-	OC	7/29/77
Montana-Dakota Util.	"	1,050,000	20.00	866,383	8.66	-	OC	4/22/77
NW Publ. Serv. Co.	"	2,887,610	9.00	(753,448)	9.16	-	OC	8/5/77
Otter Tail Power	"	584,046	10.80	(292,861)	8.83	-	OC	10/6/77
" " "	"	772,000	18.00	280,400	8.60	-	OC	7/21/77
		11,141,624		3,841,687				
Iowa Publ. Serv. Co.	Gas	348,000	11.70	282,000	9.34	-	OC	9/28/77
Montana-Dakota Util.	"	2,337,000	29.00	363,256	8.75	-	OC	8/1/77
		2,685,000		645,256				
Tennessee Public Service Commission								
	Electric	None						
Chattanooga Gas	Gas	2,479,000	7.00	910,000	10.5	8.05	-	11/30/77
Texas Railroad Commission								
	Gas	3,316,530		1,782,115	4-8%[1]	-	FV	various
Utah Public Service Commission								
Bridger Valley Elec.	Electric	20,600	11.60	20,600	-	NA	-	7/21/77
Cal-Pac Utilities	"	61,241	1.60	61,241	-	NA	-	2/18/77
" " "	"	1,012,034	18.50	801,311	-	NA	-	12/21/77
" " "	"	134,627	29.34	128,832	-	NA	-	12/21/77
" " "	"	515,610	9.42	515,610	-	NA	-	12/13/77
Empire Elec. Assn.	"	5,660	10.22	5,660	-	NA	-	5/13/77
" " "	"	15,605	9.30	15,603	-	NA	-	5/9/77
Flowell Elec. Assn.	"	29,415	12.50	29,415	-	NA	-	3/24/77
" " "	"	90,132	12.50	90,132	-	NA	-	6/10/77
" " "	"	(126,814)	21.00	(126,814)	-	NA	-	11/11/77
" " "	"	203,088	51.00	203,088	-	NA	-	6/10/77
" " "	"	126,788	21.00	126,788	-	NA	-	7/28/77
" " "	"	94,628	31.30	94,628	-	NA	-	3/24/77

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[1] This rate of return is for 10 major rate cases decided in 1977 representing $2.8 million in revenue increase requests.

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Amount Requested						
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Utah Public Service Commission (con't)								
Moon Lake Elec. Assn.	"	281,208	5.50	158,883	-	NA	-	5/9/77
" " " "	"	546,809	11.50	157,198	-	NA	-	8/2/77
" " " "	"	548,494	7.40	548,494	-	NA	-	9/12/77
Mt. Wheeler Power	"	10,377	13.50	10,377	-	NA	-	2/10/77
Raft River Rural Elec.	"	27,145	11.70	27,145	6.04	NA	-	7/21/77
Strawberry Water Users	"	74,202	19.10	74,202	9.00	NA	-	3/3/77
" " "	"	123,556	17.03	123,556	-	NA	-	5/18/77
" " "	"	138,429	9.00	45,026	-	NA	-	7/29/77
" " "	"	80,086	14.70	80,086	-	NA	-	9/15/77
Utah Power & Light	"	13,599,000	-	11,833,000	10.71	NA	-	2/28/77
" " "	"	25,463,000	12.60	17,258,472	10.25	NA	-	8/29/77
Wells Rural Elec. Co.	"	71,038	8.00	14,326	6.0	NA	-	7/21/77
		43,145,958		32,296,859				
Mountain Fuel Supply	Gas	2,873,026	-	2,873,026	-	NA	-	1/1/77
" " "	"	228,969	-	228,969	-	NA	-	4/1/77
" " "	"	(1,645,648)	-	(1,645,648)	-	NA	-	4/1/77
" " "	"	1,205,061	-	1,205,061	-	NA	-	7/1/77
" " "	"	5,325,028	-	5,325,028	-	NA	-	10/4/77
" " "	"	28,603,448	-	15,803,139	9.55	NA	-	12/1/77
" " "	"	868,986	-	868,986	-	NA	-	12/30/77
Utah Gas Service	"	200,000	-	- 0 -	-	NA	-	4/11/77
" " "	"	(74,701)	-	(74,701)	-	NA	-	4/28/77
" " "	"	13,948	-	13,948	-	NA	-	6/29/77
" " "	"	59,946	-	59,946	-	NA	-	12/5/77
		37,658,063		24,657,754				

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Amount Requested						
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Vermont Public Service Board								
Village of Barton	Electric	67,412	29.00	67,412	-	-	OC	9/6/77
Green Mountain Pwr.	"	3,535,713	11.76	3,213,082	9.77	-	OC	7/1/77
Vil. of Lyndonville	"	111,927	8.64	111,927	6.886	7.30	OC	8/1/77
		3,715,052		3,392,421				
Virginia State Corporation Commission								
Accomac-Northampton	Electric	172,000	4.33	79,000	5.50	3.27	OC	5/27/77
Appalachian Pwr.	"	43,000,000	12.04	25,685,000	9.14	7.04	OC	10/14/77
Community Elec.	"	110,000	4.89	110,000	5.81	3.43	OC	6/1/77
Craig-Botetourt Coop.	"	129,000	10.04	129,000	5.10	1.32	OC	10/6/77
Mecklenburg El. Coop.	"	145,317	2.08	145,317	5.86	4.76	OC	5/9/77
N'ern Neck El. Coop.	"	180,916	5.57	121,560	7.60	5.96	OC	4/1/77
N'ern Piedmont Coop.	"	(10,448)	(0.18)	(10,448)	6.32	6.40	OC	8/15/77
Powell Valley Coop.	"	110,588	6.36	110,588	5.90	3.46	OC	1/20/77
Prince George Elec.	"	1,000	0.04	1,000	6.88	6.85	OC	11/3/77
Prince William Elec.	"	402,523	2.61	402,523	7.24	5.41	OC	10/13/77
Shenandoah Valley	"	38,000	0.47	38,000	7.32	6.87	OC	4/18/77
Southside Elec. Coop.	"	(3,000)	(0.03)	(3,000)	5.56	5.56	OC	8/1/77
Tri-County Elec.	"	(80,000)	(3.59)	(80,000)	5.04	6.90	OC	8/1/77
Virginia Elec. Coop.	"	164,000	1.27	164,000	7.40	6.58	OC	8/1/77
		44,359,896		26,892,540				
Citizens Gas Co.	Gas	358,401 1/	3.90	358,401	9.76	6.79	OC	12/29/77
Lynchburg Gas Co.	"							
Virginia Pipeline Co.	"							
Virgin Islands Public Service Commission		None						

1/ Figures shown are for Virginia Pipeline Co., Citizens Gas and Lynchburg Gas Co. together.

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column State Commission and Company	(1) Type (Electric or Gas)	(2) Amount Requested $ Change	(3) Amount Requested % Increase	(4) Amount Granted	(5) Allowed Rate of Return (1977)	(6) Actual Rate of Return (1977)	(7) Fair Value or Original Cost Basis	(8) Date of Disposition
Washington Utilities and Transportation Commission								
Washington Nat. Gas	Electric	4,100,000	-	3,112,009	9.87	8.36	OC	4/21/77
" " "	Gas	5,450,964	-	4,267,173	9.89	8.36	OC	11/22/77
Cascade Natural Gas	"	1,775,052	-	1,775,052	9.73	8.59	OC	3/30/77
N'west Natural Gas	"	2,528,000	-	2,087,000	10.25	9.36	OC	11/10/77
		9,754,016		8,129,225				
West Virginia Public Service Commission								
Appalachian Pwr.	Electric	41,500,000	24.00	30,115,795	9.35	-	OC	5/1/77
Black Diamond Pwr.	"	26,749	6.00	26,749	-	-	OC	8/29/77
Elk Power Co.	"	19,009	6.00	19,009	-	-	OC	8/29/77
Elkhorn Pub. Serv.	"	2,439	3.00	2,439	-	-	OC	8/29/77
Kimball L & P Co.	"	8,467	4.00	8,467	-	-	OC	8/29/77
Monongahela Pwr.	"	35,942,140	26.00	9,037,286	-	-	OC	3/18/77
Monongahela Pwr.	"	1,999,058	-	- 0 -	-	-	OC	2/2/77
City of New Martinsville	"	117,803	19.00	117,803	-	-	OC	1/3/77
Potomac Edison Co.	"	7,528,010	28.00	2,114,632	9.15	-	OC	4/5/77
" " "	"	1,278,655	-	669,181	-	-	OC	2/17/77
Union Power Co.	"	30,566	7.00	30,566	-	-	OC	8/29/77
United L & P Co.	"	35,053	8.00	35,053	-	-	OC	8/29/77
Virginia E & P Co.	"	1,873,803	26.00	332,474	9.2	-	OC	5/17/77
War L & P Company	"	23,106	6.00	23,106	-	-	OC	8/29/77
		90,384,858		42,532,560				
ABC Gas Company	Gas	5,108	18.00	5,108	-	-	OC	10/5/77
Ashford Gas Co.	"	15,233	68.00	15,233	7.2	-	OC	1/18/77
Bluefield Gas Co.	"	199,288	11.00	157,811	9.69	-	OC	6/7/77
Columbia Gas of W. Va.	"	12,064,556	11.00	4,590,037	7.513	-	OC	5/27/77
Hope Natural Gas	"	25,967,507	56.00	9,869,689	9.2	-	OC	7/27/77
Interstate Utilities	"	32,904	20.00	25,408	15.85	-	OC	4/15/77
Lumberport-Shinnston	"	196,405	27.00	78,431	9.0	-	OC	8/31/77
Ravencliff Fuel & Sup.	"	12,417	31.00	12,417	1.83	-	OC	1/3/77

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
State Commission and Company	Type (Electric or Gas)	Amount Requested $ Change	 % Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
West Virginia Public Service Commission (cont.)								
S'ern Pub. Srv.-Logan	Gas	67,037	33.00	98,284	9.602	-	OC	7/27/77
" " " - Mtgmry	"	231,265	55.00	223,310	9.586	-	OC	7/27/77
" " " - Boone	"	183,862	60.00	183,027	9.593	-	OC	7/27/77
" " " - Holden	"	46,640	16.00	45,431	9.610	-	OC	7/27/77
" " " - Man	"	113,343	38.00	110,772	9.588	-	OC	7/27/77
" " " - Milton	"	186,544	46.00	184,666	9.628	-	OC	7/27/77
Spencer Gas Company	"	25,165	3.00	21,904	10.0	-	OC	10/25/77
		39,347,274		15,621,528				
Wisconsin Public Service Commission								
Cedarburg Light	Electric	1/	1/	48,493	7.00	4.93	OC	5/31/77
Dahlberg L & P	"	42,390	2.24	73,000	8.90	5.83	OC	3/17/77
Menasha Elec. Util.	"	1/	1/	357,241	6.00	1.01	OC	1/11/77
N'ern States Pwr.	"	4,794,000	4.91	3,000,000 2/	9.34	8.11	OC	3/3/77
North Central Pwr.	"	126,158	22.00	174,276	10.30	2.40	OC	12/13/77
Plymouth Utilities	"	1/	1/	133,274	7.00	1.52	OC	1/25/77
Shawano Elec. Util.	"	1/	1/	163,000	7.00	0.00	OC	3/24/77
Sturgeon Bay Util.	"	1/	1/	149,720	7.00	1.29	OC	8/16/77
Sun Prairie Elec. Ut.	"	1/	1/	44,462	7.00	4.80	OC	7/27/77
Superior Wtr. L & P	"	621,600	4.53	411,600	8.67	5.72	OC	10/18/77
Two Rivers Elec. Ut.	"	1/	1/	143,668	6.50	0.00	OC	9/1/77
Wisconsin Publ. Serv.	"	8,661,000	5.94	3,317,000	10.18	7.82	OC	1/27/77
		14,202,758		7,537,000				
N'ern States Pwr.	Gas	301,000	1.70	- 0 -	8.32	7.93	OC	3/3/77
Superior Wtr. L & P	"	442,000	4.32	442,000	8.67	3.97	OC	10/18/77
Wisc. Fuel & Lt. Co.	"	583,131	2.34	580,300	9.64	7.93	OC	10/25/77
Wisconsin Publ. Serv.	"	1,554,000	1.88	(392,000)	9.39	8.78	OC	1/27/77
		2,880,131		630,300				

1/ No specific amount requested. 2/ Interim increase.

APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASES GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977 (continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Amount Requested						
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Wyoming Public Service Commission								
Utah P & L Co.	Electric	216,000	13.40	79,972	9.35	8.30	OC	10/17/77
Pacific P & L Co.	"	7,832,000	20.00	7,068,842	9.12	7.36	OC	12/8/77
Black Hills P & L	"	616,323	-	443,780	9.10	7.75	OC	10/3/77
		8,664,323		7,592,594				
Montana-Dakota Util.	Gas	1,846,818	39.00	476,025	9.50	6.84	OC	6/24/77

SOURCE: Questionnaire responses for 1977.

SUMMARY OF APPENDIX TABLE B-V. ELECTRIC AND GAS UTILITY RATE INCREASE GRANTED BY STATE PUBLIC UTILITY COMMISSIONS IN 1977

	Amount Requested		Total	Amount Granted		Total	Percent Granted of Requested		
	Electric	Gas	Requested	Electric	Gas	Granted	Electric	Gas	Total
Alabama	$205,300,000	$ -	$205,300,000	$ 91,100,000	$ -	$ 91,100,000	44.37	-	44.37
Alaska	2,351,298	7,244,629	9,595,927	2,319,008	5,451,383	7,770,391	98.63	75.25	80.98
Arizona	70,652,000	9,845,000	80,497,000	57,423,000	15,264,000	72,687,000	81.28	155.04	90.30
Arkansas	59,305,677	464,538	59,770,215	34,544,897	4,546	34,549,443	58.25	0.97	57.80
California	108,695,100	16,024,975	124,720,075	12,384,000	1,655,000	14,039,000	11.39	10.33	11.26
Colorado	57,992,181	13,401,678	71,393,859	34,204,672	8,491,730	42,696,402	58.98	63.36	59.80
Connecticut	55,767,000	4,819,000	60,586,000	20,679,000	1,958,000	22,637,000	37.08	40.63	37.36
Delaware	26,000,000	5,466,876	31,466,876	26,000,000	4,665,820	30,665,820	100.00	85.35	97.45
Dist. of Col.	-	-	-	-	-	-	-	-	-
Florida	483,025,262	3,930,381	486,955,643	284,420,397	2,950,310	287,370,707	58.88	75.06	59.01
Georgia	204,148,000	933,390	205,081,390	102,492,000	673,705	103,165,705	50.20	72.18	50.30
Hawaii	13,889,000	-	13,889,000	11,351,000	-	11,351,000	81.73	-	81.73
Idaho	40,496,616	2,111,974	42,608,590	19,347,408	1,550,469	20,897,877	47.77	73.41	49.05
Illinois	372,418,520	8,866,167	381,284,687	210,323,520	5,826,467	216,149,987	56.48	65.72	56.69
Indiana	134,850,000	15,634,000	150,484,000	90,777,000	15,251,000	106,028,000	67.32	97.55	70.46
Iowa	7,888,176	3,090,924	10,979,100	5,367,176	2,578,924	7,946,100	68.04	83.44	72.37
Kansas	98,827,846	4,606,397	103,434,243	40,335,872	2,176,445	42,512,317	40.81	47.25	41.10
Louisana	101,800,000	3,700,000	105,500,000	5,000,000	1,400,000	6,400,000	4.91	37.84	6.07
Maine	91,572	-	91,572	49,462	-	49,462	54.01	-	54.01
Maryland	126,308,211	21,417,664	147,725,875	69,913,272	20,918,206	90,831,478	55.35	97.67	61.49
Massachusetts	32,781,316	12,472,557	45,253,873	18,158,166	5,290,361	23,448,527	55.39	42.42	51.82
Michigan	133,792	56,245,793	56,379,585	68,139	6,269,021	6,337,160	50.93	11.15	11.24
Minnesota	155,713,901	8,357,726	164,071,627	99,211,288	6,261,201	105,472,489	64.22	74.92	64.28
Mississippi	-	-	-	-	-	-	-	-	-
Missouri	135,222,775	15,130,426	150,353,201	58,618,165	9,495,960	68,114,125	43.35	62.76	45.30
Montana	19,139,601	31,219,000	50,358,601	3,591,000	27,636,209	31,227,209	18.76	88.52	62.01
New Hampshire	336,081	575,969	912,050	336,081	523,204	859,285	100.00	90.83	94.21
New Jersey	117,918,000	8,354,000	126,272,000	26,507,470	3,347,474	29,854,944	22.48	40.07	23.64
New York	495,412,300	87,431,300	582,843,600	162,182,200	53,887,200	216,069,400	32.74	61.63	37.07
North Carolina	77,754,000	3,766,000	81,520,000	49,640,000	1,514,000	51,154,000	63.84	40.20	62.75
North Dakota	18,012,042	1,310,423	19,322,465	13,681,082	1,296,862	14,977,944	75.96	98.97	77.52
Ohio	127,603,000	28,354,000	155,957,000	82,423,000	14,502,000	96,925,000	64.59	51.15	62.15
Oregon	85,784,400	21,796,456	107,580,856	66,398,400	16,063,015	82,461,415	77.40	73.70	76.65
Pennsylvania	100,087,200	3,491,800	103,579,000	72,656,700	2,696,200	75,352,900	72.59	77.22	72.75
Puerto Rico	-	-	-	-	-	-	-	-	-
Rhode Island	5,122,000	200,000	5,322,000	3,658,300	64,930	3,723,230	71.42	32.47	69.96
South Carolina	30,269,340	-	30,269,340	21,796,559	-	21,796,559	72.01	-	72.01
South Dakota	11,141,624	2,685,000	13,826,624	3,841,687	645,256	4,486,943	34.48	24.03	32.45
Tennessee	-	2,479,000	2,479,000	-	910,000	910,000	-	36.71	36.71
Texas	-	3,316,530	3,316,530	-	1,782,115	1,782,115	-	53.73	53.73
Utah	43,145,958	37,658,063	80,804,021	32,296,859	24,657,754	56,954,613		74.85	65.48
Vermont	3,715,052	-	3,715,052	3,392,421	-	3,392,421	91.32	-	91.32
Virginia	44,359,896	358,401	44,718,297	26,892,540	358,401	27,250,941	60.62	100.00	60.94
Virgin Islands	-	-	-	-	-	-	-	-	-
Washington	4,100,000	9,754,016	13,854,016	3,112,009	8,129,225	11,241,234	75.90	83.34	81.14
West Virginia	90,384,858	39,347,274	129,732,132	42,532,560	15,621,528	58,154,088	47.06	39.70	44.83
Wisconsin	14,202,758	2,880,131	17,082,889	7,537,000	630,300	8,167,300	53.07	21.88	47.81
Wyoming	8,664,323	1,846,818	10,511,141	7,592,594	476,025	8,068,619	87.63	25.78	76.76
TOTAL	$3,790,810,676	$500,588,276	$4,291,398,952	$1,924,155,904	$292,874,246	$2,217,030,150	50.76	58.51	51.66

APPENDIX TABLE B-VI

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)
State Commission and Company	Type (Electric or Gas)	Amount Requested $ Change	Amount Requested % Increase	Allowed Rate of Return (1977)	Requested Rate of Return	Fair Value or Orig. Cost Basis	Date Filed
Alabama Public Service Commission		None					
Alaska Public Utilities Commission							
Alaska Village Elec. Coop.	Elec.	749,448	21.81	2.87	NA	OC	1/28/77
Chugach Elec. Assoc.	"	4,253,844	24.60	6.88	6.88	OC	8/29/77
Northern Pwr. & Engineering	"	69,820	--	NA	13.00	--	10/14/77
		5,073,112					
Arizona Corporation Commission		None					
Arkansas Public Service Commission							
Oklahoma Gas & Elec.	Elec.	4,284,000	17.30	--	9.30	OC	6/1/77
N. Arkansas Elec. Coop.	"	616,142	6.40	--	6.73	OC	1/10/77
Riceland Elec. Coop.	"	180,473	12.80	--	3.23	OC	1/16/77
		5,080,615					
Ark.-Okla. Gas	Gas	757,140	5.80	--	10.97	OC	8/3/77
California Public Utilities Commission							
Pacific Gas & Elec.	Elec.	161,400,000	7.30	9.20	10.33	OC	5/5/77
San Diego Gas & Elec.	"	83,550,000	16.87	9.50	10.43	OC	1/26/78
Sierra Pacific Pwr.	"	3,260,000	21.70	8.84	9.82	OC	2/15/77
Southern Cal. Edison	"	315,800,000	14.50	8.80	10.17	OC	10/7/77
		564,010,000					
Pacific Gas & Elec.	Gas	130,000,000	8.80	9.20	10.33	OC	5/5/77
San Diego Gas & Elec.	"	22,274,000	19.64	9.50	10.43	OC	1/26/78
Southern Cal. Gas	"	334,100,000	33.50	8.80	10.20	OC	10/28/77
		486,374,000					

APPENDIX TABLE B-VI (Cont.)

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Amount Requested					
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Allowed Rate of Return (1977)	Requested Rate of Return	Fair Value or Orig. Cost Basis	Date Filed
Colorado Public Utilities Commission							
Colo.-Ute Elec. Assn.	Elec.	2,291,848	4.08	8.32	7.71	--	11/10/77
Grand Valley REA	"	205,837	9.84	5.70	6.17	--	12/5/77
Kit Carson Elec. Assn.	"	1,194	23.50	--	--	--	12/3/77
Moon Lake Elec. Assn.	"	686,944	20.13	6.19	6.38	--	10/28/77
		3,185,823					
Peoples Nat'l Gas--S. West Area	Gas	452,426	9.53	10.006	11.25	--	7/5/77
" " " Central Area	"	201,714	5.17	10.006	11.25	--	7/5/77
" " " --N. East Area	"	174,962	5.31	10.006	11.25	--	7/5/77
" " " --S. West Area	"	94,004	6.34	10.006	11.25	--	7/5/77
" " " --Durango Area	"	175,981	10.25	10.006	11.25	--	7/5/77
" " "--Ute Pass Area	"	20,861	28.90	10.006	11.25	--	7/5/77
" " "--Gunnison Area	"	23,343	32.40	10.006	11.25	--	7/5/77
Rocky Mtn. Nat'l Gas--West Slope	"	1,296,093	14.51	10.49	11.10	--	10/21/77
" " " " --Dove Creek	"	4,845	3.14	10.49	10.849	--	11/15/77
		2,444,229					
Connecticut Public Utilities Control Authority							
Connecticut Nat'l Gas	Gas	11,271,903	14.50	9.2	11.0	OC	10/3/77
Southern Conn. Gas	"	6,406,695	8.47	9.85	10.6	OC	8/29/77
		17,678,598					
Delaware Public Service Commission							
Delaware Pwr. & Lt.	Elec.	33,653,291	17.57	9.09	9.6	OC	2/28/77
District of Columbia Public Service Commission							
Potomac Elec. Pwr.	Elec.	45,501,000	15.90	NA	10.25	OC	7/26/77
Washington Gas Lt.	Gas	10,959,152	12.56	NA	9.85	OC	9/1/77

APPENDIX TABLE B-VI (Cont.)

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Amount Requested					
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Allowed Rate of Return (1977)	Requested Rate of Return	Fair Value or Orig. Cost Basis	Date Filed
Florida Public Service Commission							
Gulf Pwr. Co.	Elec.	13,500,000	8.40	8.39	8.39	OC	12/13/77
Georgia Public Service Commission		None					
Hawaii Public Utilities Commission							
Citizens Utilities Co.	Elec.	3,412,000	29.73	8.94	10.53	OC	12/30/76
Hilo Elec. Lt.	"	2,454,000	9.20	8.95	10.72	OC	11/17/76
		5,866,000					
GASCO Inc.	Gas	2,600,000	10.10	9.93	10.68	OC	5/31/77
Idaho Public Utilities Commission							
Utah Pwr. & Lt.	Elec.	26,068,000	52.49	9.67	10.21	OC	4/14/78
Pacific Pwr. & Lt.	"	534,000	21.18	8.40	9.82	OC	4/21/78
		26,602,000					
Intermountain Gas	Gas	5,287,963	5.60	9.77	--	OC	2/17/78
Illinois Commerce Commission							
Central Ill. Lt.	Elec.	24,000,000	13.00	--	--	--	9/27/ 77
Central Ill. Pub. Serv.	"	40,000,000	17.00	--	--	--	3/14/77
S. Beloit Wtr. Gas & Elec.	"	383,211	10.20	--	--	--	1/30/77
		64,383,211					
Central Ill. Lt.	Gas	4,110,000	4.10	--	--	--	9/27/77
Central Ill. Pub. Serv.	"	3,400,000	6.00	--	--	--	5/19/77
Consumers Gas Co.	"	220,584	9.95	--	--	--	2/23/77
Eastern Ill. Gas	"	21,315	1.50	--	--	--	4/12/77
" " "	"	160,000	--	--	--	--	6/2/77
Illinois Gas Co.	"	18,650	1.50	--	--	--	4/12/77

APPENDIX TABLE B-VI (Cont.)

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE
STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Amount Requested					
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Allowed Rate of Return (1977)	Requested Rate of Return	Fair Value or Orig. Cost Basis	Date Filed
Illinois Commerce Commission (Cont.)							
Illinois Gas Co.	Gas	180,000	--	--	--	--	6/2/77
Kaskaskia	"	66,000	12.0	--	--	--	9/16/77
Monarch	"	169,501	--	--	--	--	10/31/77
North Shore Gas	"	8,000,000	9.40	--	--	--	5/20/77
S. Beloit Wtr. Gas & Elec.	"	362,537	16.51	--	--	--	11/30/77
United Cities Gas	"	445,502	10.10	--	--	--	4/28/77
		17,154,089					
Indiana Public Service Commission							
IPALCO	Elec.	51,790,954	--	7.25	9.47	FV	10/5/77
PSI	"	75,300,000	--	7.10	7.50	FV	12/9/77
		127,090,954					
Terre Haute	Gas	1,050,063	6.00	7.0	--	FV	10/27/77
Citizens Gas & Coke	"	15,721,985	--	NA	NA	FV	8/23/77
		16,772,048					
Iowa State Commerce Commission							
Interstate Pwr. Co.	Elec.	15,763,291	23.00	8.26	9.31	OC	7/28/77
Iowa Elec. Lt. & Pwr.	"	11,417,327	10.30	8.45	9.60	OC	5/28/76
Iowa-Ill. Gas & Elc.	"	8,602,634	16.80	9.01	9.94	OC	2/20/76
Iowa Pub. Serv. Co.	"	6,996,466	9.37	8.61	9.85	OC	9/12/75
" " " "	"	7,515,345	8.00	8.61	10.23	OC	1/4/77
Iowa Southern Util.	"	6,113,775	16.70	NA	10.32	OC	3/30/76
		56,408,838					
Interstate Pwr.	Gas	963,124	4.90	8.26	8.70	OC	6/25/76
Iowa Elec. Lt. & Pwr.	"	2,938,895	5.17	8.45	9.21	OC	8/1/77
Iowa Pwr. & Lt.	"	1,846,470	3.61	8.79	10.36	OC	8/2/77
Iowa Pub. Serv. Co.	"	5,367,615	12.25	8.61	10.18	OC	3/30/76

APPENDIX TABLE B-VI (Cont.)

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Amount Requested					
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Allowed Rate of Return (1977)	Requested Rate of Return	Fair Value or Orig. Cost Basis	Date Filed
Iowa State Commerce Commission (Cont.)							
Iowa Southern Util.	Gas	752,621	5.20	NA	10.32	OC	3/30/76
N. Central Pub. Serv.	"	543,310	10.00	10.644	11.484	OC	9/3/76
" " " "	"	463,978	6.25	10.644	11.342	OC	5/31/77
Peoples Nat'l Gas	"	3,014,214	5.56	9.819	10.34	OC	7/29/76
" " "	"	640,920	0.94	9.819	12.083	OC	6/24/77
		16,531,147					
Kansas State Corporation Commission							
Central Kansas Pwr.	Elec.	1,630,912	9.13	9.0	10.12	OC	9/1/77
Kansas Pwr. & Lt.	"	55,204,298	28.00	--	9.55	OC	11/10/77
		56,835,210					
Ark.-Louisiana Gas	Gas	2,601,829	42.369	10.28	12.28	OC	7/27/77
Central Kansas Pwr.	"	282,223	NA	9.0	--	OC	9/1/77
Peoples Div. of Northern Nat'l Gas	"	1,162,085	3.08	--	9.285	OC	12/2/77
Kansas-Nebraska Gas	"	5,338,503	32.53	--	11.41	OC	12/20/77
		9,384,640					
Louisiana Public Service Commission							
Gulf States Util.	Elec.	42,900,000	20.00	--	9.72	OC	12/19/77
Maine Public Utilities Commission							
Eastern Maine Elec.	Elec.	484,898	17.90	1.15	5.99	OC	12/8/77
Fox Island Elec.	"	174	0.05	3.02	3.02	OC	10/26/77
Central Maine Pwr.	"	24,700,000	12.50	9.33	10.13	OC	1/16/78
Houlton	"	67,875	6.00	6.0	7.33	OC	4/14/77
		25,252,947					
Maryland Public Service Commission							
Potomac Elec. Pwr. Co.	Elec.	27,169,000	7.60	9.16	10.0	FV	10/31/77

APPENDIX TABLE B-VI (Cont.)

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Amount Requested					
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Allowed Rate of Return (1977)	Requested Rate of Return	Fair Value or Orig. Cost Basis	Date Filed
Massachusetts Department of Public Utilities							
Brocton Edison	Elec.	4,006,430	6.90	9.86	10.5	--	7/15/77
Boston Edison	"	69,500,000	15.60	9.49	10.3	--	8/17/77
Mass. Elec. Co.	"	15,383,000	2.98	8.13	8.86	--	11/16/77
		88,889,430					
Michigan Public Service Commission							
Consumers Power	Elec.	164,200	18.00	8.38	9.38	--	1/31/77
Detroit Edison	"	122,285	9.00	8.97	8.97	--	7/20/77
Indiana & Michigan	"	21,179	30.00	8.8	10.0	--	11/4/77
Cooperatives	"	1,269	Various	Various	Various	--	Various
Other Private Utilities	"	4,909	Various	Various	Various	--	Various
		313,842					
Mich. Consolidated Gas	Gas	110,000,000	13.28	NA	10.12	--	3/11/77
Mich. Gas Utilities	"	5,171,913	7.32	8.9	9.57	--	6/10/77
Southeastern Mich. Gas	"	4,191,397	14.90	7.71	8.57	--	6/8/77
		119,363,310					
Minnesota Public Service Commission							
Otter Tail Pwr.	Elec.	3,625,192	11.40	--	9.6	OC	7/27/77
Rainy River	"	272,313	21.00	--	9.23	OC	1/13/78
		3,897,505					
Montana-Dakota Util.	Gas	283,430	18.20	--	9.25	OC	6/6/77
Northern States Pwr.	"	288,600	6.00	--	9.65	OC	8/9/77
Minnesota Gas Co.	"	16,860,000	8.20	--	10.88	OC	10/3/77
		17,432,030					
Mississippi Public Service Commission		None					

APPENDIX TABLE B-VI (Cont.)

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Amount Requested					
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Allowed Rate of Return (1977)	Requested Rate of Return	Fair Value or Orig. Cost Basis	Date Filed
Missouri Public Service Commission							
Missouri Pub. Serv. Co.	Elec.	18,723,097	24.10	--	--	--	--
Bowling Green Gas Co.	Gas	32,841	4.30	--	--	--	--
Gas Service Co.	"	9,371,497	5.60	--	--	--	--
Great River Gas Co.	"	195,000	4.30	--	--	--	--
Laclede Gas Co.	"	17,750,000	6.10	--	--	--	--
Missouri Pwr. & Lt. Co.	"	1,340,000	9.80	--	--	--	--
Missouri Pub. Serv. Co.	"	2,167,137	13.60	--	--	--	--
People's Nat'l Gas Co.	"	86,268	7.20	--	--	--	--
Rich Hill Home Gas	"	20,487	9.10	--	--	--	--
		30,963,230					
Montana Public Service Commission							
Montana-Dakota Util.	Elec.	2,312,816	18.20	9.75	10.4	OC	3/20/78
Montana Pwr. Co.	"	45,400,000	49.00	10.70	10.3	OC	9/30/76
		47,712,816					
Montana-Dakota Util.	Gas	10,159,773	77.00	9.75	10.4	OC	3/20/78
Montana Pwr. Co.	"	34,508,803	44.90	11.6	10.9	OC	9/30/76
		44,668,576					
New Hampshire Public Utilities Commission							
Concord Elec. Co.	Elec.	714,000	6.20	10.0	11.95	OC	9/30/77
Granite State Elec.	"	749,850	4.94	11.3	11.60	OC	4/22/77
N. Hampshire Elec. Coop.	"	689,042	4.74	3.85	5.15	--	2/24/78
Pub. Serv. Co. of N.H.	"	27,017,520	17.10	9.68	10.45	--	4/27/77
		29,170,412					
Gas Service Inc.	Gas	694,182	9.20	9.8	10.5	OC	6/9/77
Southern N.H. Gas Co.	"	23,269	10.00	6.4	6.4	OC	12/1/77
		717,451					

APPENDIX TABLE B-VI (Cont.)

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Amount Requested					
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Allowed Rate of Return (1977)	Requested Rate of Return	Fair Value or Orig. Cost Basis	Date Filed
New Jersey Board of Public Utilities							
Atlantic City Elec.	Elec.	16,500,000	15.00	8.88	9.11	OC	2/11/77
Jersey Central Pwr. & Lt.	"	110,000,000	20.00	9.70	10.20	OC	--
Pub. Serv. Elec. & Gas	"	304,351,000	10.72	8.83	9.19	OC	11/21/77
		430,851,000					
Pub. Serv. Elec. & Gas	Gas	90,644,000	15.00	8.83	9.19	OC	11/21/77
South Jersey Gas	"	16,200,000	23.00	9.86	10.44	OC	9/28/76
		106,844,000					
New York Public Service Commission							
Long Island Lighting	Elec.	100,573,000	15.70	--	10.23	--	2/8/77
Niagara Mohawk--General	"	78,402,000	8.10	--	9.72	--	8/5/77
" " --Street Lighting	"	3,562,000	14.30	--	9.72	--	8/5/77
Penn. Elec. Co.	"	498,000	28.10	--	9.37	--	9/14/77
Rochester Gas & Elec.	"	476,000	8.20	--	--	--	1/21/77
		183,511,000					
Bath Elec. Gas & Wtr.	Gas	47,800	3.70	--	8.0	--	12/19/77
Brooklyn Union Gas	"	51,500,000	14.30	--	10.78	--	12/16/77
National Fuel Gas	"	6,685,000	2.00	--	5.54	--	7/1/77
Niagara Mohawk Pwr.	"	21,258,000	8.60	--	9.72	--	8/5/77
		79,490,800					
North Carolina Utilities Commission							
Laurel Hill Elec.	Elec.	13,000	6.01	--	10.17	OC	11/17/76
" " "	"	37,000	14.59	14.60	--	OC	9/28/77
Pinehurst Inc.	"	243,000	33.66	--	4.13	OC	4/13/76
		293,000					
N. Carolina Nat'l Gas	Gas	4,622,000	11.59	8.75	9.87	OC	11/22/77
Piedmont Nat'l Gas	"	5,984,000	8.75	9.23	9.73	OC	12/30/77
Pub. Serv. Gas	"	5,869,000	8.84	8.63	9.72	OC	12/15/77
		16,475,000					

APPENDIX TABLE B-VI (Cont.)

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Amount Requested					
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Allowed Rate of Return (1977)	Requested Rate of Return	Fair Value or Orig. Cost Basis	Date Filed
North Dakota Public Service Commission							
Northern States Pwr.	Gas	771,000	4.60	8.33	9.64	OC	8/19/77
Ohio Public Utilities Commission							
Columbia & Southern	Elec.	45,491,000	14.72	NA	9.06	OC	6/30/77
Ohio Edison	"	7,989,000	27.77	NA	10.28	OC	7/1/77
Toledo Edison	"	55,576,000	23.00	NA	8.93	OC	9/1/77
		109,056,000					
National Fuel Gas	Gas	182,000	13.50	NA	6.60	OC	6/21/77
Pike Nat. Gas	"	297,000	32.86	NA	21.87	OC	7/17/77
Ohio Gas	"	1,161,000	6.63	NA	10.18	OC	8/24/77
Columbia Gas of Ohio 1/	"	9,631,000	19.31	NA	11.06	OC	7/1/77 through 12/8/77
		11,271,000					
Oregon Public Utility Commissioner							
California-Pacific Util.	Elec.	771,488	6.89	9.38	9.49	OC	11/7/77
Pennsylvania Public Utility Commission							
Philadelphia Elec.	Elec.	115,823,018	10.80	--	--	--	8/5/77
Penn. Elec. Co.	"	75,400,000	20.90	--	--	--	4/28/78
Penn Pwr. Co.	"	35,455,132	38.00	--	--	--	11/28/77
U.G.I. - Luzerne	"	1,817,000	6.40	--	--	--	3/31/78
Windber	"	92,829	10.00	--	--	--	3/31/78
		228,587,979					
Equitable	Gas	27,518,000	16.00	--	--	--	4/28/78
National Fuel Gas	"	12,970,000	8.20	--	--	--	5/1/78
Peoples	"	14,287,797	6.17	--	--	--	1/27/78
U.G.I.	"	12,600,000	9.50	--	--	--	11/28/77
		67,375,797					

1/ The data for Columbia Gas of Ohio reflect twenty-four rate cases effecting varied portions of operating areas and do not reflect total company operation.

APPENDIX TABLE B-VI (Cont.)

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Amount Requested					
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Allowed Rate of Return (1977)	Requested Rate of Return	Fair Value or Orig. Cost Basis	Date Filed
Puerto Rico Water Resources Authority		none					
Rhode Island Public Utilities Commission							
Narragansett Elec.	Elec.	6,997,000	4.50	NA	14.5	OC	5/27/77
Valley Gas Co.	Gas	2,382,392	15.80	NA	14.0	OC	7/1/77
South County Gas	"	227,270	--	NA	--	--	7/6/77
		2,609,662					
South Carolina Public Service Commission							
Carolina Pwr. & Lt.	Elec.	Awaiting	updated filing				
Carolina Pipeline	Gas	4,391,679	--	11.44	23.03	--	11/30/77
South Dakota Public Utilities Commission							
Montana-Dakota Util.	Elec.	967,142	--	--	14.5	--	4/14/78
" " "	Gas	2,820,667	--	--	15.25	--	4/14/78
Tennessee Public Service Commission							
Kingsport Pwr. Co.	Elec.	2,401,000	8.00	8.5	11.0	--	3/17/78
Nashville Gas Co.	Gas	4,428,000	10.00	12.14	12.04	--	2/15/78
Texas Railroad Commission	Gas	4,021,261	--	--	--	--	--
Utah Public Service Commission							
Moon Lake Elec. Assoc.	Elec.	6,909,352	3.30	--	--	--	--
Utah Pwr. & Lt.	"	1,059,072	19.53	--	--	--	--
		7,968,424					
Utah Gas Service	Gas	265,412	--	--	--	--	--
Vermont Public Service Board							
Central Vermont Pub. Serv.	Elec.	9,882,324	18.684	9.50	10.60	OC	8/15/77
Green Mtn. Pwr.	"	3,535,713	11.760	9.77	9.77	OC	6/1/77
Village of Hardwick	"	148,310	21.96	5.00	5.70	OC	6/1/77
Village of Morrisville	"	143,809	13.00	4.56	6.6116	OC	8/1/77
Village of Swanton	"	153,519	19.33	4.45	4.45	OC	5/1/77
Washington Elec. Coop.	"	397,012	21.01	4.2723	5.956	OC	6/20/77
		14,260,687					
Gas Co. of Vt.--Barre	Gas	20,160	10.00	--	(5.49)	OC	1/3/77
" " " " --St. Johnsbury	"	16,797	10.00	--	(8.20)	OC	1/3/77
" " " " --Springfield	"	12,916	10.00	--	(3.37)	OC	1/3/77
Rutland Gas Util.	"	32,309	10.00	--	2.81	OC	1/3/77
Vermont Gas Corp.	"	16,562	10.00	--	1.30	OC	1/3/77

APPENDIX TABLE B-VI (Cont.)

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)
State Commission and Company	Type (Electric or Gas)	Amount Requested $ Change	% Increase	Allowed Rate of Return (1977)	Requested Rate of Return	Fair Value or Orig. Cost Basis	Date Filed
Virginia State Corporation Commission							
Accomack--Northampton	Elec.	87,181	2.25	5.50	4.75	OC	9/26/77
Potomac Edison	"	3,825,380	13.11	8.75	9.75	OC	1/10/77
Delmarva Pwr. & Lt.	"	1,932,199	21.58	9.10	9.609	OC	12/15/77
Potomac Elec. Pwr. Co.	"	1,578,000	10.36	9.25	9.91	OC	9/12/77
		7,422,760					
Suffolk Gas	Gas	75,000[1]	5.90	9.65	7.67	OC	8/29/77
Washington Gas Lt.	"	8,468,000	11.52	8.50	9.70	OC	5/14/76
		8,543,000					
Virgin Islands Public Services Commission		None					
Washington Utilities and Transportation Commission							
Pacific Pwr. & Lt.	Elec.	5,887,000	15.00	9.33	9.20	OC	3/31/77
Washington Wtr. Pwr.	"	13,940,000	31.00	9.25	9.40	OC	7/15/77
		19,827,000					
Cascade Nat'l Gas	Gas	5,940,000	5.80	9.73	10.16	OC	11/18/77
West Virginia Public Service Commission							
Appalachian Pwr. Co.	Elec.	84,668,203	40.00	--	10.06	OC	9/12/77
Monogahela Pwr. Co.	"	40,869,644	28.00	--	9.67	OC	11/30/76
Potomac Edison	"	7,049,015	24.00	--	9.76	OC	11/18/77
Wheeling Elec.	"	2,545,428	6.00	--	8.81	OC	3/21/77
" "	"	3,200,000	7.00	--	--	OC	10/20/77
" "	"	6,933,642	16-31	--	--	OC	--
		12,679,070					

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[1] Temporary surcharge to cover required maintenance.

APPENDIX TABLE B-VI (Cont.)

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Amount Requested					
State Commission and Company	Type (Electric or Gas)	$ Change	% Increase	Allowed Rate of Return (1977)	Requested Rate of Return	Fair Value or Orig. Cost Basis	Date Filed
West Virginia Public Service Commission (Cont.)							
Columbia Gas of W. Va.	Gas	6,217,894	4.00	--	10.69	OC	11/28/77
Pennzoil	"	608,461	67.00	--	10.27	OC	8/8/77
Southern Pub. Serv.--Holden	"	11,440	2.00	--	--	OC	8/17/77
" " " --Montgomery	"	5,647	1.00	--	--	OC	8/17/77
" " " --Logan	"	7,373	2.00	--	--	OC	8/17/77
" " " --Man	"	2,722	0.50	--	--	OC	8/17/77
" " " --Milton	"	21,975	2.00	--	--	OC	8/17/77
" " " --Madison	"	9,615	2.00	--	--	OC	8/17/77
		6,885,127					
Wisconsin Public Service Commission							
Dahlberg Lt. & Pwr.	Elec.	404,574	16.34	--	10.28	OC	7/15/77
Elkhorn Lt. & Wtr.	"	71,353	6.19	--	7.00	OC	9/22/76
Marshfield Wtr. & Elec.	"	305,000	4.90	--	--	OC	4/15/77
Northern States Pwr.	"	9,806,000	9.92	--	10.93	OC	7/16/76
Oconomowoc Util.	"	84,545	2.70	--	7.00	OC	9/16/76
Wisc. Elec. Pwr .	"	11,244,000	2.70	--	10.22	OC	4/26/77
Wisc. Pwr. & Lt.	"	26,784,000	15.16	--	11.08	OC	9/1/76
Wisc. Pub. Serv. Corp.	"	7,296,000	4.02	--	10.59	OC	6/13/77
		55,995,472					
North Central Pub. Serv.	Gas	214,248	14.78	--	12.34	OC	3/14/77
Northern States Pwr.	"	946,000	4.87	--	9.87	OC	7/16/76
Wisc. Pub. Serv.	"	2,154,000	4.96	--	9.81	OC	6/13/77
		3,314,248					

APPENDIX TABLE B-VI (Cont.)

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)
State Commission and Company	Type (Electric or Gas)	Amount Requested $ Change	Amount Requested % Increase	Allowed Rate of Return (1977)	Requested Rate of Return	Fair Value or Orig. Cost Basis	Date Filed
Wyoming Public Service Commission							
Cheyenne Lt. & Fuel & Pwr.	Elec.	618,442	9.23	9.32	10.39	OC	1/13/78
" " " "	Gas	507,964	8.35	9.32	10.39	OC	1/13/78
Cody Gas Co.	"	192,640	18.17	9.78	10.15	OC	3/16/78
Northern Gas Co.	"	1,872,818	--	9.00	10.99	OC	10/29/77
Northern Gas Division	"	1,919,580	--	9.00	10.99	OC	10/29/77
Northern Utilities Inc.	"	1,214,586	--	9.00	10.99	OC	10/29/77
Northern Utilities Division	"	1,338,884	--	9.00	10.99	OC	10/29/77
		7,046,472					

SUMMARY OF APPENDIX TABLE B-VI

ELECTRIC AND GAS UTILITY RATE INCREASES PENDING BEFORE STATE PUBLIC UTILITY COMMISSIONS, DECEMBER 1977

State	Electric	Gas	Total
Alabama	--	--	--
Alaska	$ 5,073,112	--	$ 5,073,112
Arizona	--	--	--
Arkansas	5,080,615	$ 757,140	5,837,755
California	564,010,000	486,374,000	1,050,384,000
Colorado	3,185,823	2,444,229	5,630,052
Connecticut	--	17,678,598	17,678,598
Delaware	33,653,291	--	33,653,291
District of Columbia	45,501,000	10,959,152	56,460,152
Florida	13,500,000	--	13,500,000
Georgia	--	--	--
Hawaii	5,866,000	2,600,000	8,526,000
Idaho	26,602,000	5,287,963	31,889,963
Illinois	64,383,211	17,154,089	81,537,300
Indiana	127,090,954	16,772,048	143,863,002
Iowa	56,408,838	16,531,147	72,939,985
Kansas	56,835,210	9,384,640	66,219,850
Louisiana	42,900,000	--	42,900,000
Maine	25,252,947	--	25,252,947
Maryland	27,169,000	--	27,169,000
Massachusetts	88,889,430	--	88,889,430
Michigan	313,842	119,363,310	119,677,152
Minnesota	3,897,505	17,432,030	21,329,535
Mississippi	--	--	--
Missouri	18,723,097	30,963,230	49,686,327
Montana	47,712,816	44,668,576	92,381,392
New Hampshire	29,170,412	717,451	29,887,863
New Jersey	430,851,000	106,844,000	537,695,000
New York	183,511,000	79,490,800	263,001,800
North Carolina	293,000	16,475,000	16,768,000
North Dakota	--	771,000	771,000
Ohio	109,056,000	11,271,000	120,327,000
Oregon	771,488	--	771,488
Pennsylvania	228,587,979	67,375,797	295,963,776
Puerto Rico	--	--	--
Rhode Island	6,997,000	2,609,662	9,606,662
South Carolina	--1/	4,391,679	4,391,679
South Dakota	967,142	2,820,667	3,787,809
Tennessee	2,401,000	4,428,000	6,829,000
Texas	--	4,021,261	4,021,261
Utah	7,968,424	265,412	8,233,836
Vermont	14,260,687	98,744	14,359,431
Virginia	7,422,760	8,543,000	15,965,760
Virgin Islands	--	--	--
Washington	19,827,000	5,940,000	25,767,000
West Virginia	12,679,070	6,885,127	19,564,197
Wisconsin	55,995,472	3,314,248	59,309,720
Wyoming	618,442	7,046,472	7,664,914
Total	$2,373,426,567	$1,131,739,472	$3,505,166,039

1/ Awaiting updated filing.

APPENDIX TABLE B - VII

ELECTRIC AND GAS UTILITY RATE INCREASES THROUGH THE OPERATION OF FUEL ADJUSTMENT CLAUSES BY STATE, 1977

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
Alabama Public Service Commission						
Alabama Power	Electric	969,900,000	125,800,000	195,300,000	(0.0305)	0.9175
	Gas	142,100,000	21,400,000	19,600,000	4.819	3.791
Alaska Public Utilities Commission						
Alaska Gas & Service Co.	Gas	28,715,700	469,600	1/	4.94	1/
Alaska Electric Light & Power Co.	Electric	3,491,143 2/	6,421 2/	78,112 2/	0.05	0.07
Alaska Power & Telephone Co.	Electric					
Craig	"	104,644 2/	25,067 2/	28,346	2.97	2.21
Hydaburg	"	50,124 2/	13,907 2/	19,315	3.59	2.78
Skagway	"	236,777 2/	28,023 2/	28,344	1.19	.44
Tok	"	385,392 2/	78,658 2/	64,091	2.48	2.07
Alaska Village Electric Coop., Inc.	Electric	2,974,583 2/	151,266 2/	366,342	1.22	2.78
Aniak Power Co.	Electric	123,751	16,897	15,014	2.89	2.89
Bethel Utilities Corp., Inc.	Electric	N/A.	N/A.	N/A.	1.60	0.91
Copper Valley Electric Assoc., Inc.	Electric	3,842,158				
Glenallen	"		342,434	169,004	1.97	1.54
Valdez	"		416,504	216,789	1.97	1.47
Fort Yukon Utilities	Electric	252,343	28,971	17,797	2.707	1.797
Haines Light & Power Co., Inc.	Electric	388,599 2/	16,727 2/	85,396	0.79	0.25
Kodiak Electric Association, Inc.	Electric	4,129,803				
Kodiak	"		245,567	324,464	0.698	1.41
Port Lions	"		9,463	8,990	1.70	1.96
Kotzebue Electric Assoc., Inc.	Electric	817,908 2/	18,168 2/	41,946	0.6768	0.2678
Matanuska Electric Assoc., Inc. Unalakleet	Electric	501,685	3/	22,187	3/	1.79

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
Alaska Public Utilities Commission (cont.)						
McGrath Light & Power Co.	Electric	145,390 2/	37,519 2/	28,004	4.51	1.87
Naknek Electric Assoc. Inc.	Electric	327,158 4/				
Naknek	"		41,958 4/	271,188 4/	1.7	1.7
Egegik	"		N/A	11,273 4/	4.5	4.5
Northern Power & Engineering Corp., Inc.	Electric	169,714 2/	41,476 2/	50,510	2.60	1.91
Northway Power & Light, Inc.	Electric	47,121 5/	5,658 5/	10,048 4/	1.63	1.63
Nushagak Electric Coop, Inc.	Electric	451,651 2/	12,210 2/	19,372	0.697	0.163
Yakutat Power, Inc.	Electric	180,048 4/	32,576 4/	28,464 4/	0.386	1.922
		18,619,992	1,569,470	1,904,996		
Arkansas Public Service Commission						
Arkansas Power & Light	Electric	402,018,017	63,898,761	80,438,508	0.2305	0.6039
Ark.-Mo. Power Co.	"	42,632,327	6,488,918	5,099,146	1.194	0.671
Okla. Gas & Elec. Co.	"	32,290,186	13,632,332	6,825,682	0.354	1.321
Southwestern Elec. Pwr.	"	42,943,251	10,205,877	44,444,332	0.404	0.642
		519,883,771	94,225,888	136,807,668		
California Public Utilities Commission						
Calif.-Pacific Util. Co.	Electric	6,287,302	409,731	2,027,000	0.218	0.815 to 2.1168
Pacific Gas & Elec. Co.	"	2,302,566,849	285,253,000	359,882,000	0.491	0.816
Pacific Power & Light Co.	"	16,688,839	N/A	N/A	N/A	N/A
San Diego Gas & Elec. Co.	"	387,432,644	17,398,000	56,302,000	0.195	0.761
Sierra Pacific Power Co.	"	34,968,724	242,000	3,964,000	0.021	1.084
So. Calif. Edison Co.	"	2,050,578,248	70,500,000	452,100,000	0.122	0.946
So. Calif. Water Co.	"	2,966,973	365,346	731,000	0.809	1.656
		4,801,489,579	374,168,077	875,066,000		
Calif.-Pacific Util. Co.	Gas	4,393,110	367,329	617,800		
" " " (South)					0.246	4.356
" " " (North)					0.246	8.1512
Pacific Gas & Elec. Co.	"	1,668,101,476	168,978,000	153,475,000	2.180	2.167
San Diego Gas & Elec. Co.	"	139,214,000	7,048,324	12,630,600	0.109	6.861
So. Calif. Gas Co.	"	1,320,376,722	52,998,000	55,755,000	0.722	5.256

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
California Public Utilities Commission (cont.)						
Southwest Gas Corp.	"	15,424,466	1,092,936	680,100	0.206	
" " " (South)						14.926
(North)						16.805
		3,147,509,774	230,484,589	223,158,500		
Colorado Public Utilities Commission						
Carbon Light & Power	Electric	6,731	---	---	---	---
Colorado Springs, City of	"	38,874,803	5,181,564	4,370,470	0.1928	0.3010
Delta-Montrose Elec. Assn.	"	6,590,039	---	---	---	---
Empire Electric	"	2,626,043	---	---	---	---
Estes Park, Town of	"	1,781,654	---	---	---	---
Fort Morgan, City of	"	1,592,114	---	---	---	---
Fountain, City of	"	2,115,671	---	---	---	---
Glenwood Springs	"	1,577,669	---	---	---	---
Granada, Town of	"	103,116	---	---	---	---
Grand Valley Rural Pwr. Ln.	"	1,954,518	---	---	---	---
Gunnison, City of	"	806,743	---	---	---	---
Gunnison Co. Electric Assn.	"	1,282,493	---	---	---	---
Highline Electric Assn.	"	5,553,313	---	---	---	---
Holly, Town of	"	260,105	---	---	---	---
Holy Cross Electric Assn.	"	6,468,066	---	---	---	---
Home Light & Power	"	14,995,393	883,802	846,482	0.20905	0.00329
Intermountain	"	8,020,578	244,906	---	0.0972	---
K.C. Electric Assn	"	3,536,906	---	---	---	---
Kit Carson	"	5,461	---	---	---	---

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
Colorado Public Utilities Commission (cont.)						
La Junta, City of	Electric	2,291,116	22,348	---	0.17598	---
Lamar, City of	"	2,890,187	878,408	630,275	1.21	1.36
La Plata Electric Assn.	"	5,626,777	---	---	---	---
Las Animas, City of	"	550,129	---	---	---	---
Longmont, City of	"	6,787,457	---	---	---	---
Loveland, City of	"	3,980,705	---	---	---	---
Moon Lake	"	3,549,918	---	---	---	---
Morgan County REA	"	5,151,423	---	---	---	---
Mountain Parks	"	2,348,600	---	---	---	---
Mountain View	"	3,770,390	---	---	---	---
Poudre Valley REA	"	7,102,060	---	---	---	---
Public Service Company	"	6/				
Rural Electric	"	280,990	---	---	---	---
Sangre De Cristo Electric	"	1,465,777	---	---	---	---
San Isabel Electric	"	3,104,148	---	---	---	---
San Luis Valley	"	3,923,321	---	---	---	---
San Miguel Power	"	3,769,521	---	---	---	---
Southeast Colorado Power	"	4,775,935	---	---	---	---
Southern Colo. Power Co.	"	31,204,455	3,924,038	2,629,573	0.5061	0.3226
Springer Electric Coop.	"	47,864	7,125	---	1.0125	---
Tri-County Electric	"	8,262	---	---	---	---
Union Rural Electric Assn.	"	4,731,475	---	---	---	---
Wheatland Electric	"	18,310	2,852	2,851	0.3734	0.7251
White River Electric Assn.	"	1,493,417	---	---	---	---
Yampa Valley Electric Assn.	"	6,235,222	---	---	---	---
Y - W Electric Assn.	"	7,128,629	---	---	---	---
	Gas 7/	210,387,504	11,145,043	8,479,651		
Connecticut Public Utilities Control Authority						
Bozrah Light & Power Co. -	Electric	1,102,379	(58,865)	(119,536)	(0.4827)	(0.3026)
Conn. Light & Power Co.	"	368,970,426	7,647,182	(4,056,886)	(0.032)	(0.037)

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
Connecticut Public Utilities Control Authority (cont.)						
Hartford Electric Light Co.	"	224,766,996	5,421,768	(514,563)	(0.005)	0
United Illuminating Co.	"	218,299,930	13,066,330	(5,500,761)	0.270	(0.008)
		813,139,731	26,076,415	(10,191,746)		
Connecticut Light & Power Co. -	Gas	70,099,751	14,812,697	16,299,986		
Firm					4.94	9.13
Off-peak					4.74	5.04
Connecticut Natural Gas Corp. -	"	79,556,400	10,631,200	2,142,600		
Firm					6.06	1.34
Off-peak					5.38	2.55
Hartford Electric Light Co.	"	14,736,073	2,848,237	1,825,540		
Firm					6.29	4.54
Off-peak					6.34	4.80
Pequot Gas Company	"	558,746	33,492	19,965	4.18	1.45
Southern Connecticut Gas Co. -	"	73,824,846	7,512,720	1,462,636		
Firm					4.37	1.12
Off--peak					4.01	1.06
		238,775,816	35,838,346	21,750,727		
Delaware Public Service						
D P & L	Electric	183,269,402	44,906,013	47,535,278	0.574	1.215
D P & L	Gas	36,148,696	8,127,502	5,224,841	7.675	3.93
District of Columbia Public Service Commission					0.89706 10/	0.84288 10/
Potomac Electric Pwr.	Electric	288,958,038	93,258,268	51,893,000	0.93689 11/	0.87019 11/
Washington Gas Light	Gas	77,852,913	13,216,464	14,561,000	6.88	2.79
Florida Public Service Commmission						
Florida Power & Light	Electric	1,464,584,345	49,993,042	34,070,016	(0.103)	0.079
Florida Power Corp.	"	656,137,958	12,709,661	(16,172,053)	(0.481)	(0.050)
Gulf Power Company	"	183,929,069	9,302,829	(3,207,179)	0.201	(0.074)
Tampa Electric Co.	"	343,357,571	34,794,048	(29,830,991)	(0.098)	2.227
		2,648,008,943	106,799,580	(15,140,207)		

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
Florida Public Serv. Comm. (cont.)						
City Gas	Gas	20,842,514	4,263,210	1,840,709	4.21	3.99
Florida Gas	"	43,176,466	8,421,154	2,558,544	3.59	1.61
Peoples Gas	"	28,412,872	2,311,635	608,862	0.22	(0.07)
		92,431,852	14,995,999	5,008,115		
Georgia Public Service Commission						
Georgia Power	Electric	1,082,185,882	252,394,031	272,911,404	0.0186	1.145
Savannah Electric	"	88,749,140	32,070,527	32,017,549	0.971	1.539
		1,170,935,022	284,464,548	304,928,953		
Atlanta Gas Light Co.	Gas	350,794,846	168,863,214	117,130,011	9.22	6.44
Hawaii Public Utilities Commission	Electric					
Hawaii Electric Lt. Co.	"	26,577,000	2,395,000	2,374,000	0.68177 12/	0.47963 12/
" " " "					0.69179 13/	0.48289 13/
Hawaiian Electric Co.	"	205,820,000	49,594,000	46,060,000	0.25440 12/	0.97244 12/
" " "					0.26167 13/	0.97611 12/
Kauai Electric Division of Citizens Utilities	"	13,459,000	1,762,000	637,000	1.31300 12/	0.65700 12/
" " "					1.31300 13/	0.65700 13/
Maui Electric Co.						
Maui Division	"	23,673,000	1,293,000	3,115,000	0.37026 12/	0.00000 12/
" "					0.38551 13/	0.00000 13/
Lanai Division	"	"	"	"	0.68607 12/	0.45906 12/
" "					0.70437 13/	0.46595 13/
Molokai Electric Division	"	2,040,000	179,000	140,000	0.23140 12/	0.89700 12/
" " "					0.23140 13/	0.89930 13/
		271,569,000	55,223,000	52,326,000		
Gasco, Inc.	Gas	24,462,000	1,220,000	579,000	3.5	1.63
Idaho Public Utilities Commission						
	Electric	---	N.A.	---	---	---
	Gas	---	N.A.	---	---	---

APPENDIX TABLE B - VII (Continued)

Column State Commission and Company	(1) Type	(2) Total Revenue (1977)	(3) 1977 Revenues From FAC	(4) 1976 Revenues From FAC	(5) Dec., 1977 FAC in c/kwh or c/therm		(6) Dec., 1976 FAC in c/kwh or c/therm	
Illinois Commerce Commission								
CE Co.	Electric	2,054,539,000	342,716,314	322,408,753	0.138	14/	0.597	14/
" "					0.132	15/	0.573	15/
Cedar Point	"	59,813	16/	16/		16/		16/
CILCO	"	183,242,000	14,628,345	14,905,542	0.2733	18/	0.3531	18/
CIPS	"	287,064,000	46,084,000	35,350,321	0.696;	17/	.677	17/
"					0.603	18/	.493	18/
EEI	"	124,521,000	16/	16/		16/		16/
Iowa - Ill.	"	47,336,000	2,872,235	1,394,121	(0.087)		0.295;	17/
" "					(0.087)		0.129	18/
Interstate	"	5,671,000	1,093,433	703,883	.870		.582	
Illinois Pwr.	"	380,900,000	22,958,201	13,139,807	(0.011)		0.121	
Mt. Carmel	"	5,450,538	2,285,911	1,757,351	1.9685		1.9685	
Sherrard Power	"	5,348,000	894,012	500,191	(0.01)		0.40	
South Beloit	"	3,775,000	3,477,699	405,968	0.47		0.40	
Union Electric	"	N/A	N/A	7,778,636	0.084	17/	0.312	17/
" "					0.135	18/	0.346;	18/
		3,097,906,351	437,010,150	398,344,573				
CILCO	Gas	97,944,000	N/A	N/A	3.35		5.69	
CIPS	"	61,417,000	"	"	0.82	19/	4.45	19/
"					(1.49)	20/	3.89	20/
Consumer	"	2,642,000	"	"	4.91		6.28	
Eastern Ill.	"	1,582,000	"	"	6.76		4.02	
Gas Utilities	"	5,697,000	"	"	(0.75)		6.11	
Illinois Gas Co.	"	1,429,000	"	"	6.42		3.96	
Interstate Power Co.	"	1,552,000	"	"	4.95	21/	1.90	21/
" " "					3.74	22/	1.47	22/
Iowa - Ill.	"	35,877,000	"	"	(0.53)		3.89	
IPC	"	185,275,000	"	"	(0.69)		2.70	
Kaskaskia	"	639,000	"	"	3.19		0.61	
Monarch	"	995,000	"	"	1.65		0.83	
Mt. Carmel	"	1,307,000	"	"	4.00		2.86	
North Shore	"	82,600,000	"	"	2.88		1.62	
Northern Ill.	"	1,019,106,000	"	"	1.80		0.44	

APPENDIX TABLE B - VII (Continued)

Column State Commission and Company	(1) Type	(2) Total Revenue (1977)	(3) 1977 Revenues From FAC	(4) 1976 Revenues From FAC	(5) Dec., 1977 FAC in c/kwh or c/therm	(6) Dec., 1976 FAC in c/kwh or c/therm
Illinois Commerce Commission (cont.)						
Peoples	Gas	751,212,000	"	"	1.02	5.76
South Beloit	"	2,442,000	"	"	10.50	7.70
Town Gas	"	1,277,000	"	"	5.36 23/	3.30 23/
" "					5.10 24/	3.18 24/
Union Electric	"	--	"	"	9.37	6.07
United Cities	"	4,719,000	"	"	(2.60) 25/	6.37 25/
" "					(1.48) 26/	5.64 26/
" "					(1.07) 27/	6.40 27/
		2,257,712,000				
Indiana Public Service Commission						
I & M	Electric	512,823,510	24,166,055	14,809,180	0.2895	(0.0348)
IPALCO	"	234,109,992	8,493,663	17,748,142	0.0963	0.0343
NIPSCO	"	414,701,660	45,120,514	4,577,290	0.5793	0.0445
PSI	"	470,910,644	57,210,531	19,763,851	0.4230	0.2163
SIGECO	"	---	---	4,505,150	0.6936	0.2422
		1,632,545,806	134,990,763	61,403,613		
Citizens	Gas	91,206,673	---	---	1.53	2.06
Indiana	"	---	---	---	(0.690)	4.57
Kokomo	"	20,748,570	---	---	4.05	4.27
NIPSCO	"	392,029,789	---	---	5.51	5.33
SIGECO	"	---	---	---	4.99	5.59
Terre Haute	"	---	---	---	2.29	2.89
		503,985,032				
Iowa State Commerce Commission						
Interstate Power Company	Electric	82,645,258	19,355,875	13,397,006	0.491	0.784
Iowa Electric Light & Power	"	146,148,549	11,609,254	12,810,854	0.09	0.03
Iowa-Illinois Gas & Electric	"	73,931,779	5,958,378	(1,111,787)	0.289	0.057
Iowa Power & Light Company	"	138,339,594	1,927,081	7,518,000	(0.061)	0.264
Iowa Public Service Company	"	113,519,762	16,659,819	6,585,000	0.562	0.254
Iowa Southern Utilities	"	51,116,426	3,274,163	2,412,581	0.233	0.313
Union Electric Company	"	21,417,286	1,779,648	668,445	0.293	0.148
		627,118,654	60,564,218	42,280,099		

APPENDIX TABLE B - VII (Continued)

Column State Commission and Company	(1) Type	(2) Total Revenue (1977)	(3) 1977 Revenues From FAC	(4) 1976 Revenues From FAC	(5) Dec., 1977 FAC in c/kwh or c/therm	(6) Dec., 1976 FAC in c/kwh or c/therm
Iowa State Commerce Commission (cont.)						
Interstate Power Company	Gas	25,722,191	13,448,407	8,096,804	4.58	0.231
Iowa Electric Light & Power	"	60,251,364	13,772,927	8,497,564	2.34	4.95
Iowa-Illinois Gas & Electric	"	89,741,207	14,743,775	9,123,643	0.83	3.76
Iowa Power & Light Company	"	58,634,133	10,786,655	4,619,000	3.38	1.42
Iowa Public Service Company	"	61,147,516	15,074,239	6,634,000	5.72	1.42
Iowa Southern Utilities Co.	"	19,461,413	6,908,245	6,018,766	7.75	6.49
North Central Public Service		N/A	N/A	568,056	4.78	2.6
Peoples Natural Gas Division	"	67,715,463	7,537,535	4,621,213	2.54	0.85
		382,673,287	82,271,783	48,179,046		
Kansas State Corporation Commission						
Central Kansas Power Co.	Electric	11,160,056	869,925	1,871,540	0.7187	1.3504
Central Telephone & Utilities	"	55,737,878	12,081,759	9,067,738	0.6116	0.5049
Empire District Electric Co.	"	9,144,904	642,466	625,001	0.600	0.103
Kansas City Power & Light	"	N/A	N/A	3,614,216	0.0959	0.1172
Kansas Gas & Electric Co.	"	195,771,527	34,446,860	20,870,104	0.120	0.409
Kansas Power & Light	"	202,215,246	13,148,634	21,406,881	(0.017)	0.052
Nebraska Public Power District	"	65,179	N/A	N/A	N/A	N/A
Southwestern Public Service Co.	"	687,519	N/A	174,505	N/A	N/A/
		464,782,309	61,189,644	57,629,985		
Arkansas-Louisiana Gas Co.	Gas	6,926,260	N/A	N/A	N/A	N/A
Central Kansas Power Co.	"	2,916,879	N/A	N/A	N/A	N/A
Gas Service Co., The	"	138,199,805	N/A	N/A	N/A	N/A
Greely Gas Co.	"	5,213,666	N/A	N/A	N/A	N/A
Kansas Gas Supply Corp.	"	21,520,683	N/A	N/A	N/A	N/A
Kansas-Nebraska Natural Gas	"	15,732,326	N/A	N/A	N/A	N/A
Kansas Power & Light Co.	"	70,668,773	N/A	N/A	N/A	N/A
Northern Natural Gas Co.	"	39,616,572	N/A	N/A	N/A	N/A
		300,794,964				

APPENDIX TABLE B - VII (Continued)

Column State Commission and Company	(1) Type	(2) Total Revenue (1977)	(3) 1977 Revenues From FAC	(4) 1976 Revenues From FAC	(5) Dec., 1977 FAC in c/kwh or c/therm	(6) Dec., 1976 FAC in c/kwh or c/therm
Louisiana Public Service Commission						
Central Louisiana Electric	Electric	125,219,312	57,768,304	40,672,346	1.661	1.190
Gulf States Utilities	"	285,899,103 28/	55,585,890 28/	85,913,300 28/	0.837	0.667
Louisiana Power and Light Co.	"	375,864,170	85,262,648 28/	23,538,980	0.229	0.133
Southwestern Electric Power	"	69,438,689 28/	32,938,684 28/	16,297,491 28/	1.250	0.559
		856,421,274	231,555,526	166,422,117		
Maine Public Utilities Commission						
BHE	Electric	38,293,892	13,659,977	7,558,001	1.229	1.021
CMP	"	188,309,263	50,578,550	20,968,592	0.87	0.63
MPS	"	17,929,280	2,854,835	4,270,376	0.44	0.6
		244,532,435	67,093,362	32,796,969		
	Gas	7,537,188	1,602,591	640,153	1.05	9.26
Maryland Public Service Commission						
A & N Electric Coop.	Electric	294,383	N.A.	N.A.	0.995	2.3
Baltimore Gas & Elec. Co.	"	556,037,734	98,824,787	102,472,582	0.499	0.61
Berlin Electric Co.	"	1,082,621	N.A.	N.A.	0.10	2.36
Centreville Electric	"	1,612,476	135,608	N.A.	(0.49)	(0.12)
Choptank Electric Coop.	"	13,329,142	2,689,332	N.A.	(0.09)	1.86
Delmarva Power & Light Co.	"	71,522,989	20,249,533	14,971,672	1.557	2.053
Easton Utilities Comm.	"	4,907,266	1,898,055	1,420,258	1.8805	1.5451
Hagerstown Municipal	"	6,079,577	2,293,045	N.A.	1.238	1.30
Potomac Edison Co.	"	118,267,249	34,230,188	31,475,574	0.403	0.762
Potomac Electric Power Co.	"	640,668,428	119,928,278	117,753,220	1.23279	0.9234
St. Michael's Utilities Comm.	"	1,439,491	623,384	485,352	1.41	1.61
Somerset Rural Electric Co.	"	4,240,439	1,255,783	32,201	0.62	0.17078
Southern Md. Electric Coop.	"	30,553,917	11,922,794	9,593,581	1.36	1.19
Thurmont Municipal Light Co.	"	855,907	282,513	269,180	1.171	1.154
Williamsport Electric Co.	"	353,094	145,310	N.A.	1.41	1.37
		1,451,244,713	294,478,610	278,473,620		

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
Maryland Public Service Commission (continued)						
Baltimore Gas & Electric Co.	Gas	217,540,529	N/A	N/A	13.13	8.22
Cambridge Gas Co.	"	610,641	"	"	13.4	10.2
Chesapeake Utilities - Citizens Gas Div.	"	1,765,482	"	"	12.2	9.4
Chestertown Shorgas Co.	"	116,767	"	"	12.4	6.4
Columbia Gas of Md.	"	21,163,438	"	"	16.59	11.61
Eastern Shore Gas Co.	"	1,539,014	"	"	46.2	23.0
Easton Utilities Commission	"	328,675	"	"	13.8	7.9
Emmitsburg Gas Co.	"	611,312	"	"	13.61	10.41
Frederick Gas Co.	"	4,482,231	"	"	8.19	3.00
Pennsylvania & Southern - Elkton Div.	"	836,406	"	"	21.45	11.201
Washington Gas Light Co.	"	292,720,482	"	"	6.12	6.06
		541,714,977	N/A	N/A		
Massachusetts Department of Public Utilities	Electric 29/					
Bay State Gas Company	Gas	125,375,699	42,921,311	35,057,964	0.1705	(B)0.20028
" " " "						(S)0.14263
" " " "						(L)0.11499
Berkshire Gas Company	"	13,825,617	5,651,745	2,529,890	0.1368	0.0898
Boston Gas Company	"	233,140,691	57,110,725	41,434,640	0.903	0.1131
Cape Cod Gas Co.	"	21,035,889	10,843,104	9,111,652	0.2463	2.339
Commonwealth Gas Company	"	96,262,772	36,894,854	27,047,822	0.1536	0.1533
Fall River Gas Company	"	20,634,281	8,618,535	7,368,402	0.1854	0.1600
Fitchburg Gas & Electric Light Co.	"	6,393,763	2,527,827	1,702,865	0.1393	0.1122
Haverhill Gas Company	"	12,972,985	2,145,234	469,354	0.0648	0.0300
Lowell Gas Company	"	33,232,897	14,958,671	10,001,341	0.1526	1.300
New Bedford Gas & Edison Light Co.	"	23,749,624	10,769,134	8,751,291	0.1965	0.2035
		586,624,218	192,441,140	136,843,661		

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
Michigan Public Service Commission						
Consumers Power Co.	Electric	902,658	(34,126)	28,600	(0.452)	(0.185)
Detroit Edison Co.	"	1,379,130	18,322	30,500	0.146	(0.021)
Indiana & Michigan	"	78,084	(1,403)	2,700	0.050	(0.231)
		2,359,872	(17,207)	61,800		
Consumers Power Co.	Gas	724,820,682	292,855,000	218,550,789	8.428	8.610
Lake Superior District Power Co.	"	1,622,253	225,264 30/	427,854 30/	7.90 & 9.60	4.20 & 5.90
Michigan Consolidated	"	945,517,568	320,025,000	186,544,000	8.143	6.950
Michigan Gas Utilities	"	71,712,763	25,000,000	15,300,000	8.348	7.260
Michigan Power Co.	"	43,013,641	9,419,969	4,994,587	4.862	4.024
Peninsular Gas Co.	"	1,425,076	521,693	267,817	9.158	5.0861
Southeastern Michigan	"	29,077,019	8,311,185	5,270,527	6.317	5.638
Wisconsin Public Service Corp.	"	2,536,920	752,491	343,269	7.680	5.914
		1,819,725,922	657,110,602	431,698,843		
Minnesota Department of Public Service		N/A	N/A	N/A	N/A	N/A
Mississippi Public Service Commission						
Mississippi Power & Light	Electric	365,345,966	93,268,489	80,238,746	1.1458	1.11418
Mississippi Power Co.	"	202,392,585	59,769,025	48,116,203	1.4323	1.1035
		567,738,551	153,037,514	128,354,949		
ENTEX	Gas	36,424,144	15,960,377	7,179,641	11.43	5.73
Mississippi Valley Gas	"	84,170,111	32,016,951	13,625,236	8.98	7.6
		120,594,255	47,977,328	20,804,877		

APPENDIX TABLE B - VII (Continued)

Column State Commission and Company	(1) Type	(2) Total Revenue (1977)	(3) 1977 Revenues From FAC	(4) 1976 Revenues From FAC	(5) Dec., 1977 FAC in c/kwh or c/therm	(6) Dec., 1976 FAC in c/kwh or c/therm
Missouri Public Service Commission						
Arkansas-Missouri Power Co.	Electric	29,229,968	4,438,978	1,518,048 31/	0.214	0.046
Citizens Electric Corp.	"	9,488,182	293,787	127,969 31/	0.072	0.101
Empire District Electric Co.	"	44,142,304	3,339,821	230,139 31/	0.493	0.033
Gideon-Anderson Lumber Co.	"	---	1,563,476	209,712 31/	0.439	0.053
Kansas City Power & Light Co.	"	205,611,600	6,517,904	134,782 31/	0.143	0.042
Missouri Edison Co.	"	29,316,592	657,954	(23,802) 31/	0.101	0.064
Missouri Power & Light Co.	"	68,934,416	1,523,111	123,942 31/	0.093	0.056
Missouri Public Service Co.	"	99,402,432	4,656,285	257,698 31/	0.090	(0.161)
Missouri Utilities -	"	48,934,256				
Southeast Div.			650,695	(35,711) 31/	0.083	0.068
Central Div.	"		103,917	(4,656) 31/	0.087	0.064
St. Joseph Light & Power Co.		45,159,008	644,680	(626,030) 31/	(0.111)	(0.159)
Union Electric Co.	"	477,206,272	14,629,336	421,360 31/	0.089	0.042
		1,057,425,030	39,019,944	2,333,451		
Montana Public Service Commission		---	N.A.	N.A.	N.A.	N.A.
New Hampshire Public Utilities Commission						
Concord Elec. Co.	Electric	12,221,352	3,437,626	3,049,285	1.32	1.11
Conn. Valley Elec. Co., Inc.	"	5,551,856	190,173	116,428	0.48	(0.11)
Exeter & Hampton El. Co.	"	13,767,805	3,854,839	3,332,188	1.32	1.10
Granite State El. Co.	"	17,606,885	5,111,425	3,885,448	1.27	1.12
Littleton Water & Light Dept.	"	1,588,452	92,864	37,357	0.04	(0.11)
N.H. Electric Cooperative Inc.	"	14,504,036	3,347,015	2,966,529	1.02	0.91
Public Service Co. of N.H.	"	210,003,756	50,267,934	43,482,265	1.13	1.15
Wolfeboro Munic. Elec. Dept.	"	1,174,548	26,162	---	1.31	1.11
Woodsville Mun. Elec. Dept.	"	394,572	13,459	7,142	0.55	---
		276,813,262	66,341,497	56,876,642		

APPENDIX TABLE B - VII (Continued)

Column State Commission and Company	(1) Type	(2) Total Revenue (1977)	(3) 1977 Revenues From FAC	(4) 1976 Revenues From FAC	(5) Dec., 1977 FAC in c/kwh or c/therm	(6) Dec., 1976 FAC in c/kwh or c/therm
New Hampshire Public Utilities Commission (continued)						
Concord Natural Gas Corp.	Gas	2,944,268	370,982	615,482	1.67	4.32
Gas Service, Inc.	"	10,085,596	(558,321)	205,720		
Keen Div.					3.19	13.15
Laconia Div.					(3.47)	3.73
Nashua Div.					0.60	5.95
Manchester Gas Co.	"	6,612,184	990,221	842,771	2.64	6.34
No. Util., Inc. (Allied Gas Div.)	"	5,859,337	312,684	541,130	6.60	4.98
		25,501,385	1,115,566	2,205,103		
New Jersey Dept. of Public Utilities						
Atlantic City	Electric	156,764,000	72,034,000	59,499,000	1.3500	1.1457
Butler	"	4,132,872	397,000	52,423	0.8638	0.508
JCP & L	"	548,495,903	133,232,553	128,189,000	0.5234	6.455
PSE & G	"	1,470,117,000	257,901,982	307,530,000	0.8845 32/	0.4857
Rockland	"	53,104,226	18,409,331	15,681,534	1.526	1.693
Sussex	"	1,546,199	623,380	494,822	0.6543	1.169
		2,234,160,200	482,598,246	511,446,779		
Elizabethtown Gas	Gas	82,928,000	32,698,216	23,664,760	14.93	9.65
N.J. Natural Gas	"	96,872,834	45,399,052	28,903,019	14.01	8.64
PSE & G	"	562,677,000	113,787,035	154,526,000	9.9819	5.8540
South Jersey Gas	"	85,312,343	39,589,419	24,700,087	13.31	12.25
		827,790,177	231,473,722	231,793,866		
New York Public Service Commission						
Central Hudson Gas & Electric Corp.	Electric	182,402,800	22,688,600	7,664,500	0..669	0.510
Consolidated Edison Co. of N.Y., Inc.	"	2,408,580,800	82,033,500	235,268,400	(0.1589)	0.5507
Fishers Island Electric Corp., Inc.	"	277,700	(7,700)	(9,600)	(0.60)	(0.70)

APPENDIX TABLE B - VII (Continued)

Column State Commission and Company	(1) Type	(2) Total Revenue (1977)	(3) 1977 Revenues From FAC	(4) 1976 Revenues From FAC	(5) Dec., 1977 FAC in c/kwh or c/therm	(6) Dec., 1976 FAC in c/kwh or c/therm
New York Public Service Commission (continued)						
Freeport, Village of	Electric	9,058,400	934,200	826,800	0.8691	0.0163
Green Island, Village of	"	219,300	43,800	39,000	0.6546	0.6593
Greenport, Village of	"	847,400	294,800	228,300	2.3797	1.8865
Jamestown, City of -						
Nonresidential	"	7,834,000	1,262,100	1,283,800	0.643	0.488
Lawrence Park Heat, Light & Power Co.	"	289,900	102,500	78,200	3.500	2.900
Long Island Lighting Co.	"	679,620,100	104,993,500	105,370,900	0.861	0.596
New York State Electric & Gas Corp.						
Residential	"	168,123,200	5,044,100	4,095,300	0.3838	0.1855
Nonresidential	"	201,048,000	44,008,200	24,793,400	0.9091	0.6123
Niagara Mohawk Power Company						
Residential	"	301,681,400	22,464,400	6,965,800	0.2502	0.1122
Nonresidential	"	649,432,600	124,416,800	60,303,600	0.7373	0.4364
Orange & Rockland Utilities, Inc.	"	157,868,600	17,098,200	11,057,600	0.743	0.407
Pennsylvania Electric Co. (N.Y.S.)	"	1,763,900	555,100	406,000	0.822	0.777
Rochester Gas & Elec. Corp.						
Residential	"	64,985,600	4,456,100	4,311,500	0.2076	0.3863
Nonresidential	"	140,576,000	17,571,200	17,305,800	0.4398	0.8361
Rockville, Centre, Village of	"	5,707,600	380,800	1,192,400	0.51	(0.23)
		4,980,317,300	458,340,200	481,181,700		
Bath Electric, Gas & Water System	Gas					
Firm	"	1,051,400	527,800	348,900	12.069	7.251
Interruptible	"	281,700	160,900	117,500	11.045	6.524
Brooklyn Union Gas Company	"					
Firm	"	373,949,500	14,525,300	8,406,400	0.970	2.900
Interruptible	"	16,440,700	505,800	368,500	1.090	0.380

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
New York Public Serivce Commission (cont.)						
Central Hudson Gas & Electric Corp.	Gas					
Firm	"	20,138,800	6,259,300	3,727,300	12.154	7.609
Interruptible	"	3,248,600	1,839,000	1,694,800	11.329	7.625
Columbia Gas of New York, Inc.	"					
Firm	"	33,977,400	4,854,200	2,562,100	4.49	3.95
Interruptible	"	8,143,400	1,731,200	1,002,200	4.49	3.95
Consolidated Edison Co. of N.Y., Inc.	"					
Firm	"	283,027,600	22,746,600	31,684,800	(0.1026)	3.0929
Interruptible	"	13,546,800	1,602,100	3,284,900	(0.1603)	2.3373
Corning Natural Gas Corp.	"					
All Purpose	"	5,229,700	1,505,800	N.A.	6.650	4.217
Industrial	"	4,478,100	1,556,200	N.A.	6.964	2.403
Resale	"	13,963,200	5,147,900	N.A.	6.717	2.316
Fillmore Gas Company, Inc.	Gas	378,100	86,300	96,900	7.1	2.8
Granby & Hemenway Gas Co., Inc.	"	36,500	7,000	8,900	4.0	9.0
Long Island Lighting Co.	"					
Firm	"	134,783,100	19,418,600	25,620,000	(0.8890)	6.6025
Interruptible	"	7,772,900	990,000	1,326,600	0.3278	7.8888
National Fuel Gas Distribution Corp.	"					
Buffalo Area	"	300,701,400	85,440,900	113,019,600	6.970	6.250
Jamestown Area	"	16,232,000	4,467,800	6,563,900	6.114	5.475
New York State Electric & Gas Corp.	"					
All Districts: Firm	"	82,886,300	22,925,400	15,144,100		
All Districts: Interruptible	"	1,739,100	626,600	324,700		
Elmira Area	"					
Elmira District	"	---	---	---	2.267	6.835
Dansville District	"	---	---	---	9.42	6.520

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
New York Public Service Commission (cont.)						
Goshen District:	Gas					
Firm	"	---	---	---	2.121	5.605
Interruptible	"	---	---	---	2.281	6.074
Ithaca District	"	---	---	---	0.603	6.012
Lockport District	"					
Firm	"	---	---	---	1.126	5.534
Interruptible	"	---	---	---	0.011	7.142
Mechanicville District	"	---	---	---	1.946	7.966
Oneonta & Norwich District	"	---	---	---	0.552	6.058
Owego District:	"					
Firm	"	---	---	---	1.171	8.797
Interruptible	"	---	---	---	0.762	7.963
Niagara Mohawk Power Corp.	"	236,953,300	33,374,400	46,927,100	4.39	2.3
Orange & Rockland Utilities, Inc.	"					
Firm	"	48,075,200	11,768,200	9,559,900	6.94	8.07
Interruptible	"	8,696,900	4,013,900	3,836,300	8.94	9.43
Pavilion Natural Gas Co.	"	6,168,100	1,369,400	844,500	0.32	3.65
Pennsylvania & Southern Gas Co.,	"					
Firm	"	516,900	94,600	18,700	3.91	3.63
Interruptible	"	3,500	1,200	100	4.34	4.091
Rochester Gas & Elec. Co.	"	105,324,100	13,882,100	12,128,200	3.9373	2.9758
St. Lawrence Gas Co., Inc.	"					
Firm	"	12,526,200	1,976,600	3,886,400	6.4684	2.0265
Interruptible	"	3,033,800	596,000	676,700	6.5433	3.3053
Southern Tier Gas Corp.	"	1,124,200	377,500	185,500	6.753	2.744
Syracuse Suburban Gas Company, Inc.	"	6,492,400	1,245,100	536,200	4.898	2.457
Valley Gas Corporation	"	86,600	20,700	11,300	7.52	5.84
Woodhull Municipal Gas Co.	"	74,100	29,500	18,200	7.31	4.51
		1,751,081,600	265,673,900	293,931,200		

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
North Carolina Utilities Commission						
Carolina Power & Light Co.	Electric	667,982,858	25,103,451	23,916,959	0.344	(0.074)
Duke Power Co.	"	884,108,947	36,873,517	(9,815,773)	0.3091	(0.0807)
Virginia Elec. & Pwr. Co.	"	104,609,533	7,055,876	(19,860)	0.393	(0.162)
		1,656,701,338	69,032,884	14,081,326		
North Carolina Natural Gas Corp.	Gas	50,083,427	14,918,955	3,853,050	1.255	2.182
Penn. & Southern Gas Co.	"	5,737,593	1,245,700	218,524	2.546	1.753
Piedmont Natural Gas	"	74,337,417	24,751,150	3,499,111	1.590	1.501
Public Service Co.	"	72,755,635	16,537,807	4,158,929	1.455	1.885
United Cities Gas Co.	"	1,366,285	425,304	57,334	1.625	1.340
		204,280,357	57,878,916	11,786,948		
North Dakota Public Service Commission						
Montana-Dakota Utilities Co.	Electric	31,631,637	315,080	24,147,673	0.020	0.016
Northern States Power Co.	"	33,822,482	(274,311)	26,325,294	(0.005)	0.033
Otter Tail Power Company	"	32,348,686	2,594,000	30,149,615	0.140	0.57
		97,802,805	2,634,769	80,622,582		
Great Plains Natural Gas Co.	Gas	887,380	254,935	795,801	4.639	16.12
Montana-Dakota Utilities Co.	"	24,946,267	1,796,945	21,272,057	2.24	1.12
Northern States Power Co.	"	15,734,992	6,068,694	14,692,948	1.48	14.72
		41,568,639	8,120,574	36,760,806		
Ohio Public Utilities Commission						
Cincinnati Gas & Electric	Electric	436,863,565	24,112,165	12,514,448	1.468	1.148
Cleveland Electric Illum. Co.	"	648,605,995	39,447,952	(3,458,434)	1.291	1.236
Columbus & Southern Ohio	"	320,551,209	15,900,000	5,500,000	1.185	1.025
Dayton Power & Light	"	312,389,390	28,260,000	43,866,000	1.453	1.131
Ohio Edison	"	696,245,619	32,903,432	(768,187)	1.165	1.073
Ohio Power	"	763,771,395	17,227,496	(17,328,479)	1.146	0.903
Toledo Edison	"	271,729,066	13,142,145	7,340,481	1.358	1.092
		3,450,156,239	170,993,190	47,665,829		

APPENDIX TABLE B - VII (Continued)

Column State Commission and Company	(1) Type	(2) Total Revenue (1977)	(3) 1977 Revenues From FAC	(4) 1976 Revenues From FAC	(5) Dec., 1977 FAC in c/kwh or c/therm	(6) Dec., 1976 FAC in c/kwh or c/therm
Ohio Public Utilities Commission (continued)						
Cincinnati Gas & Elec. Co.	Gas	201,083,785	24,743,824	24,491,848	N/A	N/A
Columbia Gas	"	693,575,836	40,988,517	39,982,902	"	"
Dayton Power & Light	"	129,806,176	25,749,000	5,838,000	"	"
East Ohio Gas	"	722,901,923	71,161,669	41,166,214	"	"
		1,747,367,720	162,643,010	111,478,864		
Oregon Public Utility Commissioner						
Idaho Power	Electric	---	332,000 33/	0	0	0
Portland Gen. Elec.	"	---	6,302,000 33/	0	0	0
			6,634,000			
Pennsylvania Public Utility Commission						
Citizens' Electric	Electric	2,839,931	1,006,703	764,795	1.1534	0.9530
Duncannon, Boro of	"	21,034	6,717	5,418	1.2110	1.1620
Duquesne Light	"	475,246,000	114,284,124	107,659,687	0.9320	0.9580
Elkland Electric	"	403,189	116,637	77,773	1.1780	1.5260
Hershey Electric	"	7,650,817	4,036,561	4,612,765	1.3387	1.4525
Met Ed	"	304,964,214	66,970,487	37,972,920	0.7401	0.6629
Pennsylvania Electric	"	393,720,526	104,646,929	66,014,686	1.1899	0.8182
Pennsylvania Power	"	100,842,931	25,675,069	28,779,927	0.9283	0.8614
PP & L	"	730,678,191	192,608,410	157,764,150	1.0520	0.8850
Philadelphia Electric	"	1,170,916,000	273,281,429	201,560,676	0.8680	0.8010
Pike County Lt. & Power	"	1,576,811	451,487	363,641	1.8530	1.3620
Rockingham Lt., Ht. & Power	"	424,252	195,866	179,445	2.1310	2.6530
Schuylkill Haven, Boro of	"	34,611	3,318	1,285	0.5750	0.2790
UGI - Luzerne Electric	"	28,263,906	4,781,314	4,057,692	1.0520	1.2420
Waterford Electric Light	"	828,633	229,658	125,051	1.1929	1.2598
Wellsborough Electric	"	2,657,117	1,092,885	1,068,156	0.2039	0.2413
West Penn Power	"	345,924,202	91,910,963	80,226,804	0.8700	0.7470
West Penn Power: So. Penn. Div.	"	21,759,447	5,017,103	4,564,008	0.8350	0.8030
Windber Electric	"	2,125,795	1,101,055	979,597	0.3370	2.5370
		3,590,877,607	887,422,715	696,778,476		

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
Pennsylvania Public Utility Commission (continued)						
Andreassi & Hillwig	Gas	64,819	4,237	1,322	2.670	0.540
Apollo Gas	"	3,422,315	885,733	557,067	5.037	1.914
Allied Gas - Ashland Div. 34/	"	159,409	70,179	53,388	11.580	12.780
Bangor Gas 34/	"	1,400,626	624,487	439,181	17.160	15.720
Carnegie Natural Gas	"	29,042,994	901,455	321,614	4.685	2.845
Counties Gas -						
Clearfield Div. 34/	"	2,655,597	1,293,559	923,151	13.630	12.170
Columbia Gas	"	263,433,505	142,147,078	113,675,978	16.523	10.661
Counties Gas -						
Curwensville Div. 34/	"	623,010	338,165	290,996	15.060	11.140
Emmitsburg Gas 34/	"	152,305	81,922	56,922	15.680	13.080
Equitable Gas	"	163,388,017	64,719,228	40,141,339	10.239	6.740
Hamburg Gas 34/	"	1,191,973	726,733	576,923	10.780	9.320
Honesdale Gas	"	1,435,306	525,597	330,040	9.305	5.453
Huntingdon Gas 34/	"	1,814,699	1,029,754	670,185	10.771	8.460
Interboro Gas 34/	"	310,331	141,222	99,917	8.440	8.480
Jersey Shore 34/	"	444,362	173,523	228,322	18.790	10.470
Kane Gas Lt. & Heating	"	1,802,478	827,350	518,739	11.340	8.381
Lewisburg Gas 34/	"	285,484	110,872	89,535	13.680	15.080
Lewistown Gas 34/	"	7,537,690	4,635,802	3,070,515	10.390	9.450
Lock Haven Gas 34/	"	1,053,398	460,547	368,397	18.490	11.460
Mercer Gas	"	1,156,199	531,030	325,013	12.551	5.709
Allied Gas -						
Mt. Carmel Div. 34/	"	398,632	149,254	130,381	11.700	14.070
National Fuel Gas -	"	480,436,987	77,395,588	56,006,408	12.766	---
Erie Rate Area	"				---	10.517
Oil City Rate Area	"				---	8.701
North East Heat & Light	"	1,399,819	429,317	257,413	6.191	4.673
North Penn Gas	"	42,744,599	10,465,002	6,742,587	10.113	6.530
Oxford Gas	"	1,042,735	507,128	365,737	15.750	14.480

APPENDIX TABLE B - VII (Continued)

Column State Commission and Company	(1) Type	(2) Total Revenue (1977)	(3) 1977 Revenues From FAC	(4) 1976 Revenues From FAC	(5) Dec., 1977 FAC in c/kwh or c/therm	(6) Dec., 1976 FAC in c/kwh or c/therm
Pennsylvania Public Utility Commission (cont.)						
Pennsylvania Gas & Water -	"	78,921,029				
Scranton	"		9,809,157	6,891,513	11.878	7.374
Susquehanna	"		9,249,293	6,156,317	16.623	9.878
Wilkes Barre			13,882,561	9,080,762	11.877	7.595
Pennsylvania & Southern Gas	"	3,553,192	1,479,282	871,196	7.199	7.338
Peoples Natural Gas -	"	227,124,851				
District I	"		94,217,654	59,414,994	10.064	6.330
District II	"		2,318,870	1,580,594	10.142	6.730
Philadelphia Electric	"	174,818,000	64,326,294	48,245,615	12.638	7.747
Phillips Gas & Oil		29,874,078	7,942,931	5,049,309	5.620	4.310
Phillipsburg Div. -	Gas					
Counties Gas 34/	"	511,257	184,180	81,373	12.251	4.372
Pike County Lt. & Power	"	410,397	160,496	121,549	12.250	8.969
Pittston Gas 34/	"	1,269,733	445,262	332,085	11.590	10.670
Pottsville Gas 34/	"	2,024,825	1,005,467	940,196	11.640	8.790
Renovo Gas 34/	"	273,439	107,848	95,900	14.990	16.910
Saxonburg Heat & Light	"	534,713	237,188	139,116	7.870	4.060
Allied Gas -Shamokin Div.	"	495,063	219,921	180,236	15.900	16.410
Shippensburg Gas	"	528,098	261,748	209,647	13.530	13.950
Stroudsburg Gas	"	1,942,864	914,572	758,198	14.750	14.240
Taylorstown Natural Gas	"	519,604	252,301	175,453	16.211	9.105
Twin Gas	"	360,727	148,230	135,310	10.530	10.020
UGI Corporation	"	133,436,883	19,745,224	32,372,073	5.532	3.512
Union Gas	"	5,816,553	3,073,026	2,987,922	14.644	8.454
Valley Gas	"	87,079	38,093	33,686	9.840	10.100
Waynesboro Gas	"	952,798	411,433	326,763	16.100	14.640
		1,670,852,472	539,605,743	402,420,882		
Puerto Rico	Electric	630,097,000	318,262,000	271,866,000	2.898	2.542
	Gas	N.A.	N.A.	N.A.	N.A.	N.A.

APPENDIX TABLE B - VII (Continued)

Column State Commission and Company	(1) Type	(2) Total Revenue (1977)	(3) 1977 Revenues From FAC	(4) 1976 Revenues From FAC	(5) Dec., 1977 FAC in c/kwh or c/therm	(6) Dec., 1976 FAC in c/kwh or c/therm
Rhode Island Public Utilities Commission						
Blackstone Valley	Electric	50,806,941	64,920	11,388,443	0.222	(0.268)
Narragansett	"	167,179,806	42,444,795	41,509,194	0.479	1.13
Newport	"	15,689,885	4,203,670	4,133,766	0.500	0.111
		233,676,632	46,713,385	57,031,403		
Bristol & Warren	Gas	2,078,857	N/A	N/A	1.139	1.079
Providence	"	69,977,371	"	"	(0.067)	1.315
South County	"	1,279,682	"	"	0.697	0.82
Tiverton	"	N/A	"	"	1.964	0.911
Valley	"	18,722,836	"	"	1.513	1.433
		92,058,746	N/A	N/A		
South Carolina Public Service Commission	Electric	---	None 35/	---	---	---
	Gas	---	None 35/	---	---	---
South Dakota Public Utilities Commission						
Black Hills Power & Light Co.	Electric	20,484,806	521,058	- 0 -	0.302	36/
Iowa Public Service Co.	"	1,090,209	159,572	65,850	0.762	0.387
Montana-Dakota Utilities Co.	"	4,324,795	368,479	100,060	0.074	37/
Northern States Power Co.	"	27,456,402	(407,998)	43,300	(0.027)	(0.01)
Northwestern Public Service Co.	"	30,685,826	2,522,817	912,690	0.5	0.4
Otter Tail Power Co.	"	5,981,708	586,898	283,000	0.32	0.45
		90,023,846	3,780,826	1,404,900		
Iowa Public Service	Gas	3,381,361	N/A	331,700	4.473	1.764
Minnesota Gas Company	"	14,556,723	"	270,880	6.916	3.66
Montana-Dakota Utilities Co.	"	11,215,902	"	383,400	2.39	0.07
Northwestern Public Service Co.	"	10,302,438	"	743,426	2.499	- 0 -
		39,456,424	N/A	1,729,406		

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
Tennessee Public Service Commission						
Kingsport Power	Electric	29,060,434	1,057,594	4,778,516	0.16861	(0.0035)
Chattanooga Gas	Gas	39,372,410	24,000,000	12,780,406	9.82	7.88
Hardin County Gas	"	136,131	65,000	58,845	9.22	7.74
Hartsville Gas	"	211,094	39,350	16,881	3.54	3.43
Nashville Gas	"	40,374,698	8,983,000	3,902,534	4.72	3.54
Tipton County	"	183,367	31,733	11,572	3.21	2.43
United Cities Gas	"	15,725,476	6,140,000	3,879,116	9.40	8.45
Volunteer Natural	"	7,483,337	3,362,007	1,716,211	9.472	9.199
		103,486,513	42,621,090	22,365,565		
Texas Railroad Commission	Gas	N/A	N/A	N/A	N/A	N/A
Utah Public Service Commission 38/	-	---	---	---	---	---
Vermont Public Service Board						
Allied Power & Light	Electric	340,178	337,669	290,247	2.60860	1.97570
Burlington, City of	"	10,758,199	1,070,038	1,175,307	0.43400	0.39690
Central Vt. Publ. Serv. Corp	"	62,511,148	1,238,872	1,376,190	0.28980	(0.04540)
Citizens Utility Company	"	5,379,193	591,070	231,583	0.54600	0.35700
Green Mountain Power Corp.	"	40,155,161	2,387,939	3,317,690	N.A.	0.7960
Hardwick, Village of	"	780,284	78,245	110,720	0.43130	0.27450
Lyndonville, Village of	"	1,450,937	(43,600)	6,200	N.A.	0.37700
Morrisville, Village of	"	1,139,771	110,772	126,978	0.38100	0.26700
New Hampshire Elec. Coop.	"	14,716,502	3,347,015	2,966,529	1.02000	0.91000
Public Service Co. of N.H.	"	624,678	182,707	165,161	1.13000	1.15000
Rochester Elec. & Light Co.	"	273,961	9,611	28,851	0.83700	0.02400
Swanton, Village of	"	1,098,932	54,918	78,493	N.A.	0.11460
Washington Elec. Coop., Inc.	"	2,122,679	170,277	182,725	0.64685	0.55686
		141,351,623	9,535,533	10,056,674		

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
Vermont Public Service Board (cont.)						
Capital City Gas Company	Gas	---	N/A	N/A	N/A	N/A
Gas Company of Vermont -	"					
Barre	"	235,116	75,360	76,466	19.59	18.23
St. Johnsbury	"	211,321	66,441	72,581	19.36	19.54
Springfield	"	142,300	42,420	45,583	19.14	18.35
Rutland Gas Utility Corp.	"	427,984	146,153	152,694	18.70	18.38
Vermont Gas Corp.	"	234,459	73,112	62,408	17.85	16.13
Vermont Gas Systems, Inc.	"	12,692,683	916,210	136,459	4.66	2.10
		13,943,773	1,319,696	546,191		
Virginia State Corporation Commission						
Accomack - Northampton E.C.	Electric	4,388,868	---	---	0.000	1.803
Appalachian Power Co.	"	610,830,969	25,068,432	6,537,293	0.21663	(0.03421)
B-A-R-C Electric Coop.	"	3,253,875	---	---	0.095	0.684
Central Virginia Elec. Coop.	"	8,881,886	---	---	0.100	1.750
Community Electric Coop.	"	3,042,499	---	---	0.165	0.120
Craig-Botetourt Elec. Coop.	"	1,539,048	---	---	0.201	0.685
Delmarva Power & Light Co.	"	11,654,079	703,097	1,950,382	(0.495)	0.948
Mecklenburg Electric Coop.	"	8,642,873	---	---	0.174	0.653
Northern Neck Electric Coop.	"	4,109,656	---	---	0.188	0.694
Northern Piedmont Elec. Coop.	"	6,732,940	---	---	(0.310)	0.720
Old Dominion Power Co.	"	12,983,593	2,365,568	2,144,251	0.486	0.409
Potomac Edison Co. of Va.	"	205,357,207	44,467,884	48,158,482	0.960	0.764
Potomac Electric Power Co.	"	661,650,111	196,698,918	127,218,021	0.58034	1.47796
Powell Valley Electric Coop.	"	7,676,440	---	---	0.123; 0.444 40/	(0.033)
Prince George Electric Coop.	"	2,644,292	---	---	(0.092)	0.706
Prince William Elec. Coop.	"	19,400,521	---	---	0.200	0.749
Shenandoah Valley Elec. Coop.	"	9,693,725	---	---	0.211	0.705
Southside Electric Coop.	"	12,927,351	---	---	0.172	(0.122)
Tri-County Electric Coop.	"	2,666,422	---	---	0.204	0.784
Virginia Electric Cooperative	"	15,553,492	---	---	0.181	2.046
Virginia Electric & Power Co.	"	1,308,934,856	134,289,280	15,252,687	0.216	(0.063)
		2,922,564,703	403,593,179	201,261,116		

APPENDIX TABLE B - VII (Continued)

Column State Commission and Company	(1) Type	(2) Total Revenue (1977)	(3) 1977 Revenues From FAC	(4) 1976 Revenues From FAC	(5) Dec., 1977 FAC in c/kwh or c/therm	(6) Dec., 1976 FAC in c/kwh or c/therm
Virginia State Corporation Commission (continued)						
Citizens Gas Company	Gas	172,688	---	---	(0.0044)	14.6
Colonial Natural Gas Co.	"	9,619,618	---	---	12.451	9.193
Columbia Gas of Virginia	"	28,349,164	---	---	6.34	3.97
Commonwealth Gas Dist. Corp.	"	15,898,104	---	---	7.54	2.78
Commonwealth Public Ser. Corp.	"	326,480	---	---	11.8	8.77
Eastern Shore Gas Co.	"	160,751	---	---	41.0	23.0
Lynchburg Gas Co.	"	6,373,725	---	---	(0.0044)	14.6
Portsmouth Gas Co.	"	11,384,160	---	---	14.91	6.57
Roanoke Gas Company	"	17,841,050	---	---	13.45	9.81
Shenandoah Gas Company	"	8,538,605	---	---	6,6	1.36
Southwestern Va. Gas Co.	"	3,126,705	---	---	7.5	4.09
Suffolk Gas Company	"	1,402,588	---	---	15.45	8.29
United Cities Gas Co.	"	25,505,548	---	---	9.94	8.96
Vepco Gas Co.	"	44,620,400	---	---	12.53	5.79
Virginia Pipeline Co.	"	8,686,182	---	---	(0.0044)	14.6
Washington Gas Light Co.	"	306,865,114	---	---	10.94	6.40
		488,870,882	---	---		
Virgin Islands Public Services Commission	Electric	26,073,422	8,876,186	6,109,013	2.7	1.9
	Gas	N.A.	N.A.	N.A.	N.A.	N.A.
Washington Utilities & Transportation Commission		---	N.A.	N.A.	N.A.	N.A.
West Virginia Public Service Commission 41/						
Ashford Gas Company	Gas	74,042	28,564	10,125	17.5	9.28
Bailey Gas Company	"	83,971	32,467	20,141	22.1	4.95
Blackville Oil & Gas Co.	"	58,037	29,636	13,631	16.8	5.87
Bluefield Gas Company	"	2,472,240	953,329	676,544	17.6	6.98

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
West Virginia Public Service Commission (cont.)						
Cabot Corporation	Gas	20,388,717	1,748,957	384,805	9.0	1.62
Cameron Gas Company	"	177,146	36,035	---	8.2	---
Carnegie Natural Gas Company	"	300,526	69,961	22,007	7.3	2.99
Columbia Gas of West Virginia, Inc.	"	133,188,841	56,959,409	29,216,899	17.6	6.63
Consumers Gas Utility Co.	Gas					
Huntington Division	"	531,300	208,853	70,208	23.8	4.94
Pennsboro Division	"	812,491	353,592	140,662	16.7	2.93
Spencer Division	"	496,485	84,880	18,961	0.1	0.13
Equitable Gas Company	"	7,258,226	1,663,713	628,226	3.8	2.76
Fifty-two Gas Company	"	67,082	20,040	---	16.5	---
Harper Heights Gas Company	"	230,138	128,401	78,259	26.0	14.23
Hope Natural Gas Company	"	76,052,059	22,960,239	5,009,722	11.8	3.11
Interstate Utilities Co.	"	220,790	35,430	44,052	7.6	7.73
Lake Washington Gas	"	36,111	23,642	14,511	22.4	13.39
Lumberport-Shinnston Gas Co.	"	994,273	352,348	179,274	13.3	5.94
Oceana Gas Company	"	568,061	274,525	192,848	18.0	9.55
Pineville Gas Company	"	398,727	91,350	---	18.7	---
Ravencliff Supply Company	"	65,010	13,849	---	7.8	---
Shenandoah Gas Company	"	4,465,189	1,378,007	953,885	17.0	2.50
Southern Public Service Co.	"	3,634,269	1,534,730	830,538	21.4	6.77
Standard Gas Company	"	134,075	48,982	18,475	6.5	1.87
Union Oil & Gas Company	"	1,008,030	427,911	204,011	18.6	6.60
Valley Gas Company	"	205,040	76,886	4,550	23.5	0.84
The Wayne Gas Company	"	368,674	145,101	55,752	15.6	6.31
		254,289,550	89,680,837	38,789,086		
Wisconsin Public Service Commission	Electric	N/A	24,041,000	(972,000)	N/A	N/A
	Gas	N/A	68,128,000	126,710,000	N/A	N/A

APPENDIX TABLE B - VII (Continued)

Column	(1)	(2)	(3)	(4)	(5)	(6)
State Commission and Company	Type	Total Revenue (1977)	1977 Revenues From FAC	1976 Revenues From FAC	Dec., 1977 FAC in c/kwh or c/therm	Dec., 1976 FAC in c/kwh or c/therm
Wyoming Public Service Commission						
Black Hills Pwr. & Lt. Co.	Electric	---	242,000	---	---	---
Lincoln Service Corp.	"	---	277,759	---	---	---
		---	519,759	---		
Cheyenne Light, Fuel & Power Co.	Gas	---	3,257,936	---	---	---
Kansas-Nebraska Nat. Gas Co.	"	---	1,159,479	---	---	---
McCulloch Gas Trans. Co.	"	---	1,706,966	---	---	---
Mountain Fuel Supply Co.	"	---	1,114,321	---	---	---
Northern Utilities Inc.	"	---	5,092,818	---	---	---
Petrolane - Wyoming Gas Service	"	---	334,732	---	---	---
Wyoming Gas Co.	"	---	167,800	---	---	---
Wyoming Industrial Gas Co.	"	---	303,654	---	---	---
		---	13,137,706	---		

Footnotes to Table VII

N/A = not available.

N.A. = not applicable.

1. = Flow through not effective.

2. = These figures do not include the fourth quarter.

3. = Surcharge not in effect.

4. = These figures do not include the third or fourth quarters.

5. = These figures do not include the second, third, or fourth quarters.

6. = Public Service Company's FCA is not automatic. Monthly applications are submitted and reviewed.

7. = There are no automatic PGA clauses in Colorado. All purchased gas cost pass-ons are by application.

8. = Firm.

9. = Off-peak.

10. = High-tension.

11. = Low-tension.

12. = Residential.

13. = Commercial.

14. = Inside Chicago.

15. = Outside Chicago.

16. = These utilities do not have fuel adjustment clauses.

17. = 1st half of month.

18. = 2nd half of month.

19. = North.

Footnotes to Table VII (continued)

20. = South.

21. = Area A.

22. = Area B.

23. = Farm Top.

24. = Town.

25. = Vandalia.

26. = Harrisburg.

27. = Metropolis.

28. = Louisiana only.

29. = Under Massachusetts law any change in the fuel adjustment charges of electric companies must be approved by the Dep't. of Public Utilities.

30. = Firm customer revenue only, interruptible sales omitted.

31. = Five months ending December 1976.

32. = Levelized July 1, 1977.

33. = Oregon has no electric FAC. A temporary surcharge was implemented to offset excess power costs because of drought.

34. = Penn Fuels Gas, Inc.

35. = None, all require semi-annual hearings.

36. = FAC went into effect June of 1977.

37. = No fuel clause contained in rate schedules.

38. = No rate increases were granted through the operation of Fuel Adjustment Clauses.

39. = Total company, not just Vermont.

Footnotes to Table VII (continued)

40. = First 500 kwh at 0.123 cents; 0.444 cents/kwh thereafter.

41. = Fuel Adjustment Clauses were eliminated for electric utilities effective April 1, 1975. See 30-B proceedings for pass-through of increased costs, which is a tariff adjustment, not a monthly changing surcharge. 30-B's may be processed without a hearing.

cbf

SUMMARY OF TABLE B-VII

ELECTRIC AND GAS UTILITY RATE INCREASES THROUGH THE OPERATION OF FUEL ADJUSTMENT CLAUSES BY STATE, 1977
(in thousands of dollars)

State	Total Revenue 1977	FAC Revenue			
		1977	1976	1975 1/	1974 1/
Alabama					
Electric	969,900	125,000	195,300	--	--
Gas	142,100	21,400	19,600	None	
Total	1,112,000	147,200	214,900	--	--
Alaska					
Electric	18,620	1,569	1,905	6,663	566
Gas	28,716	470	--	--	--
Total	47,336	2,039	1,905	6,663	566
Arizona 1/					
Electric	--	--	--	--	--
Gas	--	--	--	--	--
Total	--	--	144,870 2/	--	--
Arkansas					
Electric	519,884	94,226	136,808	--	--
Gas	--	--	--	--	--
Total	519,884	94,226	136,808	--	--
California					
Electric	4,801,490	374,168	875,006	777,568	585,975
Gas	3,147,510	230,485	223,158	596,852	287,192
Total	4,949,000	604,653	1,098,164	1,374,420	873,167
Colorado 3/					
Electric	210,388	11,145	8,480	36,543	19,063
Gas	--	--	--	--	--
Total	210,388	11,145	8,480	36,543	19,063
Connecticut					
Electric	813,140	26,076	(10,192)	18,367	--
Gas	238,776	35,838	21,751	9,674	--
Total	1,051,916	61,914	11,559	28,041	--
Delaware					
Electric	183,269	44,906	47,535	55,497	--
Gas	36,149	8,128	5,225	4,084	--
Total	219,418	53,034	52,760	59,582	--

SUMMARY OF TABLE B-VII (Continued)
(in thousands of dollars)

	Total Revenue	FAC Revenue			
State	1977	1977	1976	1975 1/	1974 1/
District of Columbia					
Electric	288,958	93,258	51,893	57,531	--
Gas	77,853	13,216	14,561	10,535	--
Total	366,811	106,474	66,454	68,066	--
Florida					
Electric	2,648,009	106,800	(15,140)	305,444	338,088
Gas	92,432	14,996	5,008	8,010	8,078
Total	2,740,441	121,796	(10,132)	313,455	396,166
Georgia					
Electric	1,170,935	284,465	304,929	283,841	169,644
Gas	350,795	168,363	117,130	77,163	--
Total	1,521,730	452,828	422,059	361,004	169,644
Hawaii					
Electric	271,569	55,223	52,326	51,623	18,339
Gas	24,462	1,220	579	600	--
Total	296,031	56,443	52,905	52,223	18,339
Idaho 4/					
Electric	--	--	259 1/	--	--
Gas	--	--	22,915 1/	--	10,093
Total	--	--	23,175 1/	--	10,093
Illinois					
Electric	3,097,906	437,010	398,345	338,807	--
Gas	2,257,712	--	--	--	--
Total	5,355,618	437,010	398,345	338,807	--
Indiana					
Electric	1,632,546	134,991	61,403	103,953	--
Gas	503,985	--	--	--	--
Total	2,136,531	134,991	61,403	103,953	--
Iowa					
Electric	627,119	60,564	42,280	43,082	33,914
Gas	382,673	82,272	48,179	44,473	48,652
Total	1,009,792	142,836	90,459	87,556	82,566

SUMMARY OF TABLE B-VII (Continued)
(in thousands of dollars)

State	Total Revenue 1977	FAC Revenue			
		1977	1976	1975 1/	1974 1/
Kansas					
Electric	464,782	61,190	57,630	60,834	--
Gas	300,795	--	--	--	--
Total	765,577	61,190	57,630	60,834	--
Kentucky					
Electric	--	--	110,872 1/	122,168	--
Gas	--	--	55,004 1/	23,249	--
Total	--	--	165,877 1/	145,417	--
Louisiana					
Electric	856,421	231,556	166,422	55,505	63,638
Gas	--	--	--	--	--
Total	856,421	231,556	166,422	55,505	63,638
Maine					
Electric	244,532	67,093	32,797	40,270	30% of Gross Rev.
Gas	7,537	1,603	640	--	23% of Gross Rev.
Total	252,069	68,696	33,437	40,270	
Maryland					
Electric	1,451,245	294,479	278,474	197,046	--
Gas	541,715	--	--	42,949	--
Total	1,992,960	294,479	278,474	239,995	--
Massachusetts 5/					
Electric	--	--	--	--	--
Gas	586,624	192,441	136,844	89,462	--
Total	586,624	192,441	136,844	89,462	--
Michigan					
Electric	2,360	(17)	62	308,905	196,524
Gas	1,819,726	657,111	431,699	--	--
Total	1,822,086	657,094	431,761	308,905	196,524
Minnesota					
Electric	--	--	16,791 1/	5,017	--
Gas	--	--	16,824 1/	10,484	--
Total	--	--	33,615 1/	15,502	--

SUMMARY OF TABLE B-VII (Continued)
(in thousands of dollars)

	Total Revenue	FAC Revenue			
State	1977	1977	1976	1975 1/	1974 1/
Mississippi					
Electric	567,739	153,038	128,355	--	59,865
Gas	120,594	47,977	20,805	--	--
Total	688,333	201,015	149,160	--	59,865
Missouri					
Electric	1,057,425	39,020	2,333	--	9,238
Gas	--	--	--	--	--
Total	1,057,425	39,020	2,333	--	9,238
Montana 4/					
Electric	--	--	--	--	--
Gas	--	--	--	--	32,151
Total	--	--	--	--	32,151
Nevada 6/					
Electric	--	--	--	--	--
Gas	--	--	--	--	--
Total	--	--	--	--	--
New Hampshire					
Electric	276,813	66,341	56,877	61,477	--
Gas	25,501	1,116	2,205	1,844	--
Total	302,314	67,457	59,082	63,391	--
New Jersey					
Electric	2,234,160	482,598	511,447	605,512	578,212
Gas	827,790	231,474	231,794	166,695	91,374
Total	3,061,950	714,072	743,241	772,208	669,586
New Mexico					
Electric	--	--	46,914 1/	29,929	--
Gas	--	--	75,950 1/	34,775	--
Total	--	--	122,865 1/	64,705	--
New York					
Electric	4,980,317	458,340	481,182	939,953	155,271
Gas	1,751,082	265,674	293,931	255,069	200
Total	6,731,399	724,014	775,113	1,195,023	155,471

SUMMARY OF TABLE B-VII (Continued)
(in thousands of dollars)

State	Total Revenue 1977	FAC Revenue 1977	FAC Revenue 1976	FAC Revenue 1975 1/	FAC Revenue 1974 1/
North Carolina					
Electric	1,656,701	69,033	14,081	40,965	130,670
Gas	204,280	57,879	11,787	29,823	--
Total	1,860,981	126,912	25,868	70,789	130,670
North Dakota					
Electric	97,803	2,635	80,623	638	1,232
Gas	41,569	8,121	36,761	4,780	711
Total	139,372	10,756	117,384	5,418	1,943
Ohio					
Electric	3,450,156	170,993	47,666	458,449	--
Gas	1,747,368	162,643	111,479	169,314	--
Total	5,197,524	333,636	159,145	622,763	--
Oregon 7/					
Electric	--	6,634	-0-	--	--
Gas	--	--	-0-	--	--
Total	--	6,634	-0-	--	--
Pennsylvania					
Electric	3,590,878	887,423	696,778	678,033	--
Gas	1,670,852	539,606	402,421	257,686	--
Total	5,261,730	1,427,029	1,099,199	935,719	--
Puerto Rico					
Electric	630,097	318,262	271,866	225,500	--
Gas	--	--	--	--	--
Total	630,097	318,262	271,866	225,500	--
Rhode Island					
Electric	233,677	46,713	57,031	60,611	--
Gas	92,059	--	--	--	--
Total	325,736	46,713	57,031	60,611	--
South Carolina					
Electric	--	-- 8/	--	132,422	--
Gas	--	-- 8/	--	--	--
Total	--	-- 8/	--	132,422	--

SUMMARY OF TABLE B-VII (Continued)
(in thousands of dollars)

State	Total Revenue 1977	FAC Revenue 1977	1976	1975 1/	1974 1/
South Dakota					
Electric	90,024	3,781	1,405	2,494	--
Gas	39,456	--	1,729	1,141	--
Total	129,480	3,781	3,134	3,635	--
Tennessee					
Electric	29,060	1,058	4,779	6,836	--
Gas	103,487	42,621	22,366	17,915	--
Total	132,547	43,679	27,145	24,751	--
Texas					
Electric	--	--	--	--	--
Gas	--	--	--	--	--
Total	--	--	--	--	--
Utah 4/					
Electric	--	--	--	--	--
Gas	--	--	--	--	--
Total	--	--	--	--	--
Vermont					
Electric	141,352	9,536	10,057	--	--
Gas	13,944	1,320	546	--	--
Total	155,296	10,856	10,603	--	--
Virginia					
Electric	2,922,565	403,593	201,261	244,754	207,702
Gas	488,871	--	--	--	9,995
Total	3,411,436	403,593	201,261	244,754	217,697
Virgin Islands					
Electric	26,073	8,876	6,109	--	--
Gas	--	--	--	--	--
Total	26,073	8,876	6,109	--	--
Washington 4/					
Electric	--	--	--	--	--
Gas	--	--	--	--	--
Total	--	--	--	--	--

SUMMARY OF TABLE B-VII (Continued)
(in thousands of dollars)

State	Total Revenue 1977	FAC Revenue 1977	FAC Revenue 1976	FAC Revenue 1975 1/	FAC Revenue 1974 1/
West Virginia 9/					
Electric	--	--	--	None	None
Gas	254,290	89,681	38,789	13,643	4,750
Total	254,290	89,681	38,789	13,643	4,750
Wisconsin					
Electric	--	24,041	(972)	23,526	66,849
Gas	--	68,128	126,710	130,118	21,001
Total	--	92,169	125,738	153,644	87,850
Wyoming					
Electric	--	519	--	--	--
Gas	--	13,137	--	--	--
Total	--	13,656	--	--	--

1/ Taken from data submitted in the earlier report, Electric and Gas Utility Rate and Fuel Adjustment Clause Increases, 1976, Committee on Government Operations, U.S. Senate, Committee Print, dated July, 1977.

2/ Includes electric and gas utility fuel adjustment charges.

3/ There are no automatic PGA clauses in Colorado. All purchased gas cost pass-ons are by application.

4/ No FAC.

5/ Under Massachusetts law any change in the fuel adjustment charges of electric utilities must be approved by the Department of Public Utilities.

6/ FAC included in tariffs of only 2 utilities and has never been applied.

7/ Oregon has no FAC. A temporary surcharge for electric rates was implemented to offset excess power costs because of drought.

SUMMARY OF TABLE B-VII (Continued)

8/ None. All require semi-annual hearings.

9/ Fuel Adjustment Clauses were eliminated for electric utilities effective April 1, 1975.

APPENDIX TABLE B-VIII

FUEL CLAUSE ADJUSTMENTS INCLUDED IN BASIC RATES IN 1977

State Commission and Company	Type	Electric Roll-ins (Cents/kwh)	Natural Gas Roll-ins (cents/therm)	Date
Alabama Public Service Commission				
Alabama Power	Electric	0.9		4/26/77
Alaska Public Utilities Commission				
Alaska Village Electric Cooperative Inc.	Electric	2.78		3/22/77
Haines Light & Power Co., Inc.	"	0.01		3/25/77
Yakutat Power, Inc.	"	1.536		4/22/77
Arizona Corporation Commission				
Arizona Public Service Corporation	Electric	1.0135		8/1/77
Arkansas Public Service Commission		N/R	N/R	
California Public Utilities Commission				
Pacific Gas & Elec.	Electric	0.15	NONE	---
Colorado Public Utilities Commission		N/R	N/R	
Connecticut Public Utilities Control Authority				
Connecticut Light & Power Co.	Electric	0.2193		10/25/77
Hartford Electric Light Co.	"	0.222		10/25/77
Connecticut Light & Power Co.	Gas		5.38 1/	10/25/77
" " " " "	"		5.49 2/	10/25/77
Hartford Electric Light Co.	"		6.54 1/	10/25/77
" " " "	"		6.59 2/	10/25/77
Delaware Public Service Commission				
Delaware Pwr. & Lt.	Electric	1.248		9/77
" " "	Gas		NONE	
District of Columbia Public Service Commission		NONE	NONE	
Florida Public Service Commission				
Tampa Electric Company	Electric	0.4674		10/5/77
Peoples Gas System	Gas		3.165	7/15/77
Georgia Public Service Commission				
Georgia Power Co.	Electric	0.72		9/6/77
Savannah Electric	"	1.00		6/21/77

APPENDIX TABLE B-VIII (Continued)

State Commission and Company	Type	Electric Roll-ins (Cents/kwh)	Natural Gas Roll-ins (Cents/therm)	Date
Hawaii Public Utilities Commission				
Hawaiian Electric Co.	Electric	0.559		9/1/77
Molokai Electric Co.	"	0.938		10/10/77
Idaho Public Utilities Commission		N.A.	N.A.	
Illinois Commerce Commission				
CILCO	Electric	0.0158		4/14/77
CILCO	"	0.4		8/30/77
Commonwealth Edison Co.	"	0.573		10/14/77
Illinois Power Company	"	0.33		10/23/77
Union Electric Company	"	0.11		1/24/77
CILCO	Gas		0.77	4/14/77
CILCO	"		4.00	8/30/77
CIPS (North)	"		4.45	1/31/77
CIPS (South)	"		4.18	1/31/77
Gas Utilities	"		7.14	9/12/77
Illinois Power Company	"		4.29	10/1/77
Iowa-Illinois	"		4.30	3/23/77
Peoples	"		6.43	2/2/77
United Cities a)Harrisburg	"		9.80	7/15/77
b)Metropolis	"		11.31	7/15/77
c)Vandalia	"		11.25	7/15/77
Indiana Public Service Commission		N/A	N/A	
Iowa State Commerce Commission				
Interstate Power Co.	Electric	0.5		8/29/77
Iowa Electric Light & Power	Gas		4.96	9/2/77
Iowa-Illinois Gas & Electric	"		4.50	6/1/77
Peoples Natural Gas Division	"		2.523	7/26/77
Kansas State Corporation Commission		N/R	N/R	
Louisiana Public Service Commission		N/A	N/A	
Maine Public Utilities Commission				
	Gas		7.6	---
Maryland Public Service Commission		None	None	

APPENDIX TABLE B-VIII (Continued)

State Commission and Company	Type	Electric Roll-ins (Cents/kwh)	Natural Gas Roll-ins (Cents/therm)	Date
Massachusetts Department of Public Utilities		None	None	
Michigan Public Service Commission				
Cooperatives & Small Utilities	Electric	Various		
Detroit Edison Company	"	(0.128)		5/27/77
Michigan Power Co.	Gas		2.266 3/	--
Michigan Power Co.	"		2.956 4/	--
Minnesota Department of Public Service		N/A	N/A	
Mississippi Public Service Commission		None	None	
Missouri Public Service Commission		None	None	
Montana Public Service Commission		None	None	
New Hampshire Public Utilities Commission		None	None	
New Jersey Board of Public Utilities				
Jersey Central Power & Light	Electric	.7369		9/1/77
Rockland Electric Company	"	.642		11/23/77
New York State Public Service Commission				
Consolidated Edison Co. of N.Y., Inc.	Electric	0.33		5/25/77
Orange & Rockland Utilities, Inc.	"	0.30		10/27/77
Consolidated Edison Co. of N.Y., Inc.	Gas		4.4	10/27/77
New York State Electric & Gas Corporation				
Ithaca District	"		7.46	11/1/77
Elmira Area	"		8.02	" "
Goshen District				
Firm	"		8.40	" "
Interruptible	"		8.68	" "
Lockport District				
Firm	"		8.55	" "
Interruptible	"		8.62	" "

APPENDIX TABLE B-VIII (Continued)

State Commission and Company	Type	Electric Roll-ins (Cents/kwh)	Natural Gas Roll-ins (Cents/therm)	Date
N.Y. State Public Service Commission (cont'd)				
N.Y. State Elec. & Gas Corp. (cont'd)				
Mechanicville District	Gas		10.94	
Oneonta and Norwich District				
Firm	"		7.45	
Interruptible	"		7.45	
Owego District				
Firm			11.19	
Interruptible	"		9.59	
Orange & Rockland Utilities, Inc.				10/27/77
Firm	"		8.0	
Interruptible	"		9.0	
Pavilion Natural Gas Company, The	"		4.33	12/1/77
North Carolina Utilities Commission				
Carolina Pwr. & Lt.	Electric	(0.170)		7/1/77
North Dakota Public Service Commission				
Montana-Dakota Utilities Co.	Electric	0.010		---
Northern States Power Company	"	(0.022)		---
Otter Tail Power Company	"	0.3067		---
Great Plains Natural Gas Co.	Gas			
Demand			0.40	---
Commodity			15.632	---
Montana-Dakota Utilities Co.	"		1.1993	---
Ohio Public Utilities Commission		N.A.	N.A.	
Oregon Public Utility Commissioner		N.A.	N.A.	
Pennsylvania Public Utility Commission		None	None	
Puerto Rico Water Resources Authority		N.A.	N.A.	
Rhode Island Public Utilities Commission				
Newport Electric	Electric	1.448		10/77
Providence Gas	Gas		9.276	10/77
South Carolina Public Service Commission				
South Carolina Electric & Gas	Electric	0.20		12/77

APPENDIX TABLE B-VIII (Continued)

State Commission and Company	Type	Electric Roll-ins (Cents/kwh)	Natural Gas Roll-ins (Cents/therm)	Date
South Dakota Public Utilities Commission				
Northwestern Public Service Co.	Electric	0.3628		8/25/77
Otter Tail Power Company	"	0.13855		12/16/77
Tennessee Public Service Commission				
Chattanooga Gas Company	Gas		7.242 5/	12/7/77
Texas Railroad Commission		N/R	N/A	
Utah Public Service Commission		None	None	
Vermont Public Service Board				
Green Mountain Power Corporation		0.34		--
Virginia State Corporation Commission				
Community Elec. Coop.	Electric	0.961		6/1/77
Craig-Boutetourt Electric Coop.	"	1.120		10/6/77
Mecklenburg Electric Coop.	"	0.902		5/9/77
Northern Neck Electric Coop.	"	1.172		4/1/77
Northern Piedmont Electric Coop.	"	0.682		8/15/77
Prince George Electric Coop.	"	0.636		11/3/77
Prince William Electric Coop.	"	1.421		11/1/77
Shenandoah Valley Electric Coop.	"	1.171		4/18/77
Southside Electric Coop.	"	1.122		8/1/77
Tri-County Electric Coop.	"	1.362		8/1/77
Virginia Electric Coop.	"	1.304		8/1/77
Citizens Gas Company	Gas		1.276 6/	12/29/77
Lynchburg Gas Company	"		1.276 6/	12/29/77
Virginia Pipeline Company	"		1.276 6/	12/29/77
Virgin Islands Public Service Commission		N.A.	N.A.	
Washington Utilities and Transportation Commission		N.A.	N.A.	
West Virginia Public Service Commission		N.A.	N.A.	
Wisconsin Public Service Commission		N/A	N/A	
Wyoming Public Service Commission		N/A	N/A	

APPENDIX TABLE B-VIII (Continued)

N/R - No response

N/A - Not available

N.A. - Not applicable

1/ Firm

2/ Off-peak

3/ Lower peninsula

4/ Upper peninsula

5/ Into residential and commercial rates only

6/ Figures are for Virginia Pipeline Co., Citizens Gas and Lynchburg Gas together.

APPENDIX TABLE B-IX

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977	December 1976 FAC	December 1977 FAC	Percent of December 1976 FAC Rolled in Rate in 1977	December 1976 to Dec. 1977 Percent Change in FAC	Total Percentage Increase in Fuel Charges in 1977
Electric	(1)	(2)	(3)	(4)	(5)	(6)
	------------ (¢/kwh)	-------------	-------------	------------------	(percent)	------------------
Alabama Public Service Commission						
Alabama Power	0.9	0.9175	(0.0305)	98.09	(103.32)	(5.23)
Alaska Public Utilities Commission						
Alaska Village Electric Cooperative, Inc.	2.78	2.78	1.22	100.00	(56.12)	43.88
Haines Light & Power Co., Inc.	0.01	0.25	0.79	4.00	216.00	220.00
Yakutat Power, Inc.	1.536	1.922	0.386	79.92	(79.92)	0.00
Arizona Corporation Commission						
Arizona Public Service Corporation	1.0135	N.A.	N.A.	N.A.	N.A.	N.A.
California Public Utilities Commission						
Pacific Gas & Electric	0.15	0.816	0.491	18.38	(39.82)	(21.44)
Connecticut Public Utilities Control Authority						
Connecticut Light & Power Co.	0.2193	(0.037)	(0.032)	692.70	13.51	706.21
Hartford Electric Light Co.	0.222	0.000	(0.005)	--	--	--
Delaware Public Service Commission						
DP & L	1.248	1.215	(0.574)	102.72	(147.24)	(44.52)
District of Columbia Public Service Commission						
PEPCO (High Tension)	0.00	0.84288	0.89706	0.00	6.43	6.43
PEPCO (Low Tension)	0.00	0.87019	0.93689	0.00	7.66	7.66

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977	December 1976 FAC	December 1977 FAC	Percent of December 1976 FAC Rolled in Rate in 1977	December 1976 to Dec. 1977 Percent Change in FAC	Total Percentage Increase in Fuel Charges in 1977
Electric	(1)	(2)	(3)	(4)	(5)	(6)
	(¢/kwh)			(percent)		
Florida Public Service Commission						
Tampa Electric Company	0.4674	0.227	(0.098)	205.90	(143.17)	62.73
Georgia Public Service Commission						
Georgia Power Co.	0.72	1.145	0.0186	62.88	(98.37)	(35.49)
Savannah Electric	1.00	1.539	0.971	64.98	(36.91)	28.07
Hawaii Public Utilities Commission						
Hawaiian Electric Co. (Residential)	0.559	0.97244	0.25440	57.48	(73.84)	(16.36)
" " " (Commercial)	0.559	0.97611	0.26167	57.27	(73.19)	(15.92)
Molakai Electric Co. (Residential)	0.938	0.89700	0.23140	104.57	(74.20)	30.37
" " " (Commercial)	0.938	0.89930	0.23140	104.30	(74.27)	30.03
Illinois Commerce Commission						
CILCO	0.4158	0.3531	0.2733	117.76	(22.60)	95.16
Commonwealth Edison Co. (Inside Chicago)	0.573	0.597	0.138	95.98	(76.88)	19.10
" " " (Outside Chicago	0.573	0.573	0.132	100.00	(76.96)	23.04
Illinois Power Company	0.33	0.121	(0.011)	272.73	(109.09)	163.64
Union Electric Company	0.11	0.329 1/	0.110 1/	33.43	(66.57)	(33.14)
Iowa State Commerce Commission						
Interstate Power Co.	0.5	0.784	0.491	63.78	(37.37)	26.41

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission Utility	Rolled in FAC in 1977	December 1976 FAC	December 1977 FAC	Percent of December 1976 FAC Rolled in Rate in 1977	December 1976 to Dec. 1977 Percent Change in FAC	Total Percentage Increase in Fuel Charges in 1977
Electric	(1)	(2)	(3)	(4)	(5)	(6)
	------------	(¢/kwh)	-------------	------------------	(percent)	------------------
Maryland Public Service Commission						
A & N Electric Coop.	0.00	2.3	0.995	0.00	(56.74)	(56.74)
Baltimore Gas & Electric Co.	0.00	0.61	0.499	0.00	(18.20)	(18.20)
Berlin Electric Co.	0.00	2.36	0.10	0.00	(95.76)	(95.76)
Centreville Electric	0.00	(0.12)	(0.49)	0.00	(308.33)	(308.33)
Choptank Electric Coop.	0.00	1.86	(0.09)	0.00	(104.84)	(104.84)
Delmarva Power & Light Co.	0.00	2.053	1.557	0.00	(24.16)	(24.16)
Easton Utilities Comm.	0.00	1.5451	1.8805	0.00	21.71	21.71
Hagerstown Municipal	0.00	1.30	1.238	0.00	(4.77)	(4.77)
Potomac Edison Co.	0.00	0.762	0.403	0.00	(47.11)	(47.11)
Potomac Electric Power Co.	0.00	0.9234	1.23279	0.00	33.51	33.51
St. Michael's Utilities Comm.	0.00	1.61	1.41	0.00	(12.42)	(12.42)
Somerset Rural Electric Co.	0.00	0.17078	0.62	0.00	263.04	263.04
Southern Maryland Electric Coop.	0.00	1.19	1.36	0.00	14.29	14.29
Thurmont Municipal Light Co.	0.00	1.154	1.171	0.00	1.47	1.47
Williamsport Electric Co.	0.00	1.37	1.41	0.00	2.92	2.92
Michigan Public Service Commission						
Detroit Edison Company	(0.128)	(0.021)	0.146	(609.52)	795.24	185.72
Mississippi Public Service Commission						
Mississippi Power & Light	0.00	1.11418	1.1458	0.00	2.84	2.84
Mississippi Power Company	0.00	1.1035	1.4323	0.00	29.80	29.80

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977	December 1976 FAC	December 1977 FAC	Percent of December 1976 FAC Rolled in Rate in 1977	December 1976 to Dec. 1977 Percent Change in FAC	Total Percentage Increase in Fuel Charges in 1977
Electric	(1)	(2)	(3)	(4)	(5)	(6)
	------------ (¢/kwh)	-------------	-------------	------------------	(percent)	------------------
Missouri Public Service Commission						
Arkansas-Missouri Power Co.	0.00	0.046	0.214	0.00	365.22	365.22
Citizens Electric Corp.	0.00	0.101	0.072	0.00	(28.71)	(28.71)
Empire District Electric Co.	0.00	0.033	0.493	0.00	1,393.94	1,393.94
Gideon-Anderson Lumber Co.	0.00	0.053	0.439	0.00	728.30	728.30
Kansas City Power & Light Co.	0.00	0.042	0.143	0.00	240.48	240.48
Missouri Edison Co.	0.00	0.064	0.101	0.00	57.81	57.81
Missouri Power & Light Co.	0.00	0.056	0.093	0.00	66.07	66.07
Missouri Public Service Co.	0.00	(0.161)	0.090	0.00	155.90	155.90
Missouri Utilities--Southeast Div.	0.00	0.068	0.083	0.00	22.06	22.06
Missouri Utilities-Central Div.	0.00	0.064	0.087	0.00	35.94	35.94
St. Joseph Light & Power Co.	0.00	(0.159)	(0.111)	0.00	30.19	30.19
Union Electric Co.	0.00	0.042	0.089	0.00	111.90	111.90
New Hampshire Public Utilities Commission						
Concord Electric Co.	0.00	1.11	1.32	0.00	18.92	18.92
Connecticut Valley Electric Co.	0.00	(0.11)	0.48	0.00	536.36	536.36
Exeter & Hampton Electric Co.	0.00	1.10	1.32	0.00	20.00	20.00
Granite State Electric Co.	0.00	1.12	1.27	0.00	13.39	13.39
N. H. Electric Co-operative, Inc.	0.00	0.91	1.02	0.00	12.09	12.09
Public Servic Co. of N. H.	0.00	1.15	1.13	0.00	(1.74)	(1.74)
Littleton Water & Light Dept.	0.00	(0.11)	.04	0.00	136.36	136.36
Woodsville Municipal Electric Dept.	0.00	--	.55	0.00	--	--
Wolfeboro Municipal Electric Dept.	0.00	1.11	1.31	0.00	18.02	18.02

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977	December 1976 FAC	December 1977 FAC	Percent of December 1976 FAC Rolled in Rate in 1977	December 1976 to Dec. 1977 Percent Change in FAC	Total Percentage Increase in Fuel Charges in 1977
Electric	(1)	(2)	(3)	(4)	(5)	(6)
	(¢/kwh)			(percent)		
New Jersey Department of Public Utilities						
Jersey Central Power & Light	0.7369	6.455	0.5234	11.42	(91.89)	(80.47)
Rockland Electric Co.	0.642	1.693	1.526	37.92	(9.86)	28.06
New York State Public Service Commission						
Consolidated Edison Co. of N.Y., Inc.	0.33	0.5507	(0.1589)	59.92	(128.85)	(68.93)
Orange & Rockland Utilities, Inc.	0.30	0.407	0.743	73.71	82.56	156.27
North Carolina Utilities Commission						
Carolina Power and Light	(0.170)	(0.074)	0.344	(129.73)	564.86	435.13
North Dakota Public Service Commission						
Northern States Power Co.	(0.022)	0.033	(0.005)	(166.67)	(115.15)	(281.82)
Montana-Dakota Utilities Co.	0.010	0.016	0.020	62.50	25.00	87.50
Otter Tail Power Co.	0.3067	0.57	0.140	53.81	(75.44)	(21.63)
Pennsylvania Public Utility Commission						
Citizens' Electric	0.00	0.9530	1.1534	0.00	21.03	21.03
Boro of Duncannon	0.00	1.1620	1.2110	0.00	4.22	4.22
Duquesne Light	0.00	0.9580	0.9320	0.00	(2.71)	(2.71)
Elkland Electric	0.00	1.5260	1.1780	0.00	(22.80)	(22.80)
Hershey Electric	0.00	1.4525	1.3387	0.00	(7.83)	(7.83)
Met Edison	0.00	0.6629	0.7401	0.00	11.65	11.65
Pennsylvania Electric	0.00	0.8182	1.1899	0.00	45.43	45.43

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977	December 1976 FAC	December 1977 FAC	Percent of December 1976 FAC Rolled in Rate in 1977	December 1976 to Dec. 1977 Percent Change in FAC	Total Percentage Increase in Fuel Charges in 1977
Electric	(1)	(2)	(3)	(4)	(5)	(6)
	------------	(¢/kwh)	------------	----------------	(percent)	----------------
Pennsylvania Public Utility Commission (Cont.)						
Pennsylvania Power	0.00	0.8614	0.9283	0.00	7.77	7.77
PP & L	0.00	0.8850	1.0520	0.00	18.87	18.87
Philadelphia Electric	0.00	0.8010	0.8680	0.00	8.36	8.36
Pike County Light & Power	0.00	1.3620	1.8530	0.00	36.05	36.05
Rockingham Light, Heat, & Power	0.00	2.6530	2.1310	0.00	(19.68)	(19.68)
Boro of Schuylkill Haven	0.00	0.2790	0.5750	0.00	106.09	106.09
UGI-Luzerne Electric	0.00	1.2420	1.0520	0.00	(15.29)	(15.29)
Waterford Electric Light	0.00	1.2598	1.1929	0.00	(5.31)	(5.31)
Wells Borough Electric	0.00	0.2413	0.2039	0.00	(15.50)	(15.50)
West Pennsylvania Power	0.00	0.7470	0.8700	0.00	16.47	16.47
West Penn. Power: South Penn. Division	0.00	0.8030	0.8350	0.00	3.99	3.99
Windber Electric	0.00	2.5370	2.3370	0.00	(7.88)	(7.88)
Rhode Island Public Utilities Commission						
Newport Electric	1.448	0.111	0.500	1,304.50	350.45	1,654.95
South Carolina Public Service Commission						
South Carolina Electric & Gas	0.2	2/	2/	--	--	--
South Dakota Public Utilities Commission						
Northwestern Public Service Co.	0.3628	0.4	0.5	90.70	25.00	115.70
Otter Tail Power Co.	0.13855	0.45	0.32	30.79	(28.89)	1.90

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977	December 1976 FAC	December 1977 FAC	Percent of December 1976 FAC Rolled in Rate in 1977	December 1976 to Dec. 1977 Percent Change in FAC	Total Percentage Increase in Fuel Charges in 1977
Electric	(1)	(2)	(3)	(4)	(5)	(6)
	(¢/kwh)			(percent)		
Vermont Public Service Board						
Green Mountain Power Corp.	0.34	0.7960	N.A.	72.71	--	--
Virginia State Corporation Commission						
Community Electric Coop.	0.961	0.120	0.165	800.83	37.50	838.33
Craig Botetourt Electric Coop.	1.120	0.685	0.201	163.50	(70.66)	92.84
Mecklenburg Electric Coop.	0.902	0.653	0.174	138.13	(73.35)	64.78
Northern Neck Electric Coop.	1.172	0.694	0.188	168.88	(72.91)	95.97
Northern Piedmont Electric Coop.	0.682	0.720	(0.310)	94.72	(143.06)	(48.34)
Prince George Electric Coop.	0.636	0.706	(0.092)	90.08	(113.03)	(22.95)
Prince William Electric Coop.	1.421	0.749	0.200	189.72	(73.30)	116.42
Shenandoah Valley Electric Coop.	1.171	0.705	0.211	166.10	(70.07)	96.03
Southside Electric Coop.	1.122	(0.122)	0.172	919.67	240.98	1,160.65
Tri-County Electric Coop.	1.362	0.784	0.204	173.72	(73.98)	99.74
Virginia Electric Coop.	1.304	2.046	0.181	63.73	(91.15)	(27.42)

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977	December 1976 FAC	December 1977 FAC	Percent of December 1976 FAC Rolled in Rate in 1977	December 1976 to Dec. 1977 Percent Change in FAC	Total Percentage Increase in Fuel Charges in 1977
Natural Gas	(1)	(2)	(3)	(4)	(5)	(6)
	------------	(¢/therm)	----------	------------------	(percent)	------------------
California Public Utilities Commission						
California-Pacific Utility Co. (South)	0.00	4.356	0.246	0.00	(94.35)	(94.35)
" " " " (North	0.00	8.1512	0.246	0.00	(96.98)	(96.98)
Pacific Gas & Electric Co.	0.00	2.167	2.180	0.00	0.60	0.60
San Diego Gas & Electric Co.	0.00	6.861	0.109	0.00	98.41	98.41
South California Gas Co.	0.00	5.256	0.722	0.00	(86.26)	(86.26)
Southwest Gas Corp. (South)	0.00	14.926	0.206	0.00	(98.62)	(98.62)
" " " (North)	0.00	16.805	0.206	0.00	(98.77)	(98.77)
Connecticut Public Utilities Control Authority						
Connecticut Light & Power Co. (Firm)	5.38	9.13	4.94	58.93	(45.89)	13.04
" " " " (Off-peak)	5.49	5.04	4.74	108.93	(5.95)	102.98
Hartford Electric Light Co. (Firm)	6.54	4.54	6.29	144.05	38.55	182.60
" " " " (Off-peak)	6.59	4.80	6.34	137.29	32.08	169.37
Delaware Public Service Commission						
DP & L	0.00	3.93	7.675	0.00	95.29	95.29
District of Columbia Public Service Commission						
Washington Gas Light	0.00	2.79	6.88	0.00	146.59	146.59
Florida Public Service Commission						
Peoples Gas System	3.165	(0.07)	0.22	4,521.43	414.29	4,935.72

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977	December 1976 FAC	December 1977 FAC	Percent of December 1976 FAC Rolled in Rate in 1977	December 1976 to Dec. 1977 Percent Change in FAC	Total Percentage Increase in Fuel Charges in 1977
Natural Gas	(1)	(2)	(3)	(4)	(5)	(6)
	-----------	(¢/therm)	----------	----------------	(percent)	----------------
Illinois Commerce Commission						
CILCO	4.77	5.69	3.35	83.83	(41.12)	42.71
CIPS (North)	4.45	4.45	0.82	100.00	(81.57)	18.43
CIPS (South)	4.18	3.89	(1.49)	107.46	(138.30)	(30.84)
Gas Utilities	7.14	6.11	(0.75)	116.86	(112.27)	4.59
Illinois Power Co.	4.29	2.70	(0.69)	158.89	(125.56)	33.33
Iowa-Illinois	4.30	3.39	(0.53)	110.54	(113.62)	(3.08)
Peoples	6.43	5.76	1.02	111.63	(82.29)	29.34
United Cities (Harrisburg)	9.80	5.64	(1.48)	173.76	(126.24)	47.52
" " (Metropolis)	11.31	6.40	(1.07)	176.72	(116.72)	60.00
" " (Vandalia)	11.25	6.37	(2.60)	176.61	(140.82)	35.79
Iowa State Commerce Commission						
Iowa Electric Light & Power	4.96	4.95	2.34	100.20	(52.73)	47.47
Iowa-Illinois Gas & Electric	4.50	3.76	0.83	119.68	(77.93)	41.75
Peoples Natural Gas Division	2.523	0.85	2.54	296.82	198.82	495.64
Maine Public Utilities Commission						
	7.6	9.26	1.05	82.07	(88.66)	(6.59)
Maryland Public Service Commission						
Cambridge Gas Co.	0.00	10.2	13.4	0.00	31.37	31.37
Chestertown Shorgas Co.	0.00	6.4	12.4	0.00	93.75	93.75
Chesapeake Utilities-Citizens Gas Div.	0.00	9.4	12.2	0.00	29.79	29.79

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977	December 1976 FAC	December 1977 FAC	Percent of December 1976 FAC Rolled in Rate in 1977	December 1976 to Dec. 1977 Percent Change in FAC	Total Percentage Increase in Fuel Charges in 1977
Natural Gas	(1)	(2)	(3)	(4)	(5)	(6)
	------------	(¢/therm)	----------	------------------	(percent)	------------------
Maryland Public Service Commission (Cont.)						
Columbia Gas of Maryland	0.00	11.61	16.59	0.00	42.89	42.89
Eastern Shore Gas Co.	0.00	23.0	46.2	0.00	100.87	100.87
Emmitsburg Gas Co.	0.00	10.41	13.61	0.00	30.74	30.74
Frederick Gas Co.	0.00	3.00	8.19	0.00	173.00	173.00
Penn. & Southern-Elkton Gas Service Div.	0.00	11.201	21.45	0.00	91.50	91.50
Washington Gas Light Co.	0.00	6.06	6.12	0.00	0.99	0.99
Baltimore Gas & Electric Co.	0.00	8.22	13.13	0.00	59.73	59.73
Easton Utilities Commission	0.00	7.9	13.8	0.00	74.68	74.68
Massachusetts Department of Public Utilities						
Bay State Gas Co.	0.00	(B)0.20028	0.1705	0.00	(14.87)	(14.87)
" " " "	0.00	(S)0.14263	0.1705	0.00	19.54	19.54
" " " "	0.00	(L)0.11499	0.1705	0.00	48.27	48.27
Berkshire Gas Co.	0.00	0.0898	0.1368	0.00	52.34	52.34
Boston Gas Co.	0.00	0.1131	0.903	0.00	698.41	698.41
Cape Cod Gas Co.	0.00	2.339	0.2463	0.00	(89.47)	(89.47)
Commonwealth Gas Co.	0.00	0.1533	0.1536	0.00	0.20	0.20
Fall River Gas Co.	0.00	0.1600	0.1854	0.00	15.88	15.88
Fitchburg Gas & Electric Light Co.	0.00	0.1122	0.1393	0.00	24.15	24.15
Haverhill Gas Co.	0.00	0.0300	0.0648	0.00	116.00	116.00
Lowell Gas Co.	0.00	1.300	0.1526	0.00	(88.26)	(88.26)
New Bedford Gas & Edison Light Co.	0.00	0.2035	0.1965	0.00	(3.44)	(3.44)

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977	December 1976 FAC	December 1977 FAC	Percent of December 1976 FAC Rolled in Rate in 1977	December 1976 to Dec. 1977 Percent Change in FAC	Total Percentage Increase in Fuel Charges in 1977
Natural Gas	(1)	(2)	(3)	(4)	(5)	(6)
		(¢/therm)			(percent)	
Michigan Public Service Commission						
Michigan Power Company (Lower Peninsula)	2.266	4.024	4.862	56.31	20.83	77.14
" " " (Upper Peninsula)	2.956	4.024	4.862	73.46	20.83	94.29
Mississippi Public Service Commission						
Entex	0.00	5.73	11.43	0.00	99.48	99.48
Mississippi Valley Gas	0.00	7.6	8.98	0.00	18.16	18.16
New Hampshire Public Utilities Commission						
Concord National Gas Corp.	0.00	4.32	1.67	0.00	(61.34)	(61.34)
Gas Service, Inc. (Keene Div.)	0.00	13.15	3.19	0.00	(75.74)	(75.74)
" " " (Laconia Div.)	0.00	3.73	(3.47)	0.00	(193.03)	(193.03)
" " " (Nashua Div.)	0.00	5.95	0.60	0.00	(89.92)	(89.92)
Manchester Gas Co.	0.00	6.34	2.64	0.00	(58.36)	(58.36)
No. Utilities, Inc. (Allied Gas Div.)	0.00	4.98	6.60	0.00	32.53	32.53
New York State Public Service Commission						
Consolidated Edison Co. of N.Y., Inc. (Firm)	4.4	3.0929	(0.1026)	142.26	(103.32)	38.94
" " " " " (Interruptible)	4.4	2.3373	(0.1603)	188.25	(106.86)	81.39
New York State Electric & Gas Corp.						
Elmira Area						
Dansville District	8.02	6.520	9.42	123.01	44.48	167.49
Elmira District	8.02	6.835	2.267	117.34	(66.83)	50.51

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977	December 1976 FAC	December 1977 FAC	Percent of December 1976 FAC Rolled in Rate in 1977	December 1976 to Dec. 1977 Percent Change in FAC	Total Percentage Increase in Fuel Charges in 1977
Natural Gas	(1)	(2)	(3)	(4)	(5)	(6)
	------------ (¢/therm) ----------			------------------(percent)------------------		
New York State Public Service Commission (Cont.)						
Goshen District						
Firm	8.40	5.605	2.121	149.87	(62.16)	87.71
Interruptible	8.68	6.074	2.281	142.90	(62.45)	80.45
Ithaca District	7.46	6.012	0.603	124.09	(89.97)	34.12
Lockport District						
Firm	8.55	5.534	1.126	154.50	(79.65)	74.85
Interruptible	8.62	7.142	0.011	120.69	(99.85)	20.84
Mechanicville District	10.94	7.966	1.946	137.33	(75.57)	61.76
Oneonta & Norwich District	7.45	6.058	0.552	122.98	(90.89)	32.09
Orange & Rockland Utilities, Inc.						
Firm	8.0	8.07	6.94	99.13	(14.00)	85.13
Interruptible	9.0	9.43	8.94	95.44	(5.20)	90.24
Owego District						
Firm	11.19	8.797	1.171	127.20	(86.69)	40.51
Interruptible	9.59	7.963	0.762	120.43	(90.43)	30.00
Pavilion Natural Gas Co.	4.33	3.65	0.32	118.63	(91.23)	27.40
North Dakota Public Service Commission						
Great Plains Natural Gas Co.						
" " " " " (Demand)	0.4	16.12	4.639	2.48	(71.22)	(68.74)
" " " " " (Commodity)	15.632	16.12	4.639	96.97	(71.22)	25.75
Montana-Dakota Utilities Co.	1.1993	1.12	2.24	107.08	100.00	207.08

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977 (1)	December 1976 FAC (2)	December 1977 FAC (3)	Percent of December 1976 FAC Rolled in Rate in 1977 (4)	December 1976 to Dec. 1977 Percent Change in FAC (5)	Total Percentage Increase in Fuel Charges in 1977 (6)
Natural Gas	(¢/therm)	(¢/therm)	(¢/therm)	(percent)	(percent)	(percent)
Pennsylvania Public Utilities Commission						
Andreassi & Hillwig	0.00	0.540	2.670	0.00	394.44	394.44
Apollo Gas	0.00	1.914	5.037	0.00	163.17	163.17
Allied Gas-Ashland Div.	0.00	12.780	11.580	0.00	(9.39)	(9.39)
Bangor Gas	0.00	15.720	17.160	0.00	9.16	9.16
Carnegie Natural Gas	0.00	2.845	4.685	0.00	64.67	64.67
Counties Gas-Clearfield Div.	0.00	12.170	13.630	0.00	12.00	12.00
Columbia Gas	0.00	10.661	16.523	0.00	54.99	54.99
Counties Gas-Curwensville Div.	0.00	11.140	15.060	0.00	35.19	35.19
Emmitsburg Gas	0.00	13.080	15.680	0.00	19.88	19.88
Equitable Gas	0.00	6.740	10.239	0.00	51.91	51.91
Hamburg Gas	0.00	9.320	10.780	0.00	15.67	15.67
Honesdale Gas	0.00	5.453	9.305	0.00	70.64	70.64
Huntingdon Gas	0.00	8.460	10.771	0.00	27.32	27.32
Interboro Gas	0.00	8.480	8.440	0.00	(0.472)	(0.472)
Jersey Shore	0.00	10.470	18.790	0.00	79.47	79.47
Kane Gas Light & Heating	0.00	8.381	11.340	0.00	35.31	35.31
Lewisburg Gas	0.00	15.080	13.680	0.00	(9.28)	(9.28)
Lewistown Gas	0.00	9.450	10.390	0.00	9.95	9.95
Lockhaven Gas	0.00	11.460	18.490	0.00	61.34	61.34
Mercer Gas	0.00	5.709	12.551	0.00	119.85	119.85
Allied Gas-Mt. Carmel Div.	0.00	14.070	11.700	0.00	(16.84)	(16.84)
National Fuel Gas						
Oil City Rate Area	0.00	8.701	12.766	0.00	46.72	46.72
Erie Area	0.00	10.517	12.766	0.00	21.38	21.38

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977 (1)	December 1976 FAC (2)	December 1977 FAC (3)	Percent of December 1976 FAC Rolled in Rate in 1977 (4)	December 1976 to Dec. 1977 Percent Change in FAC (5)	Total Percentage Increase in Fuel Charges in 1977 (6)
Natural Gas	(¢/therm)	(¢/therm)	(¢/therm)	(percent)	(percent)	(percent)
Pennsylvania Public Utilities Commission (Cont.)						
North East Heat & Light	0.00	4.673	6.191	0.00	32.48	32.48
North Pennsylvania Gas	0.00	6.530	10.113	0.00	54.87	54.87
Oxford Gas	0.00	14.480	15.750	0.00	8.77	8.77
Pennsylvania Gas & Water (Scranton)	0.00	7.374	11.878	0.00	61.08	61.08
" " " (Susquehanna)	0.00	7.592	11.877	0.00	56.44	56.44
" " " (Wilkes Barre)	0.00	9.878	16.623	0.00	68.28	68.28
Pennsylvania & Southern Gas	0.00	7.338	7.199	0.00	(1.89)	(1.89)
Peoples Natural Gas (District I)	0.00	6.330	10.064	0.00	58.99	58.99
" " " (District II)	0.00	6.730	10.142	0.00	50.70	50.70
Philadelphia Electric	0.00	7.747	12.638	0.00	63.13	63.13
Phillips Gas & Oil	0.00	4.310	5.620	0.00	30.39	30.39
Phillipsburg Div.--Counties Gas	0.00	4.372	12.251	0.00	180.22	180.22
Pike County Light & Power	0.00	8.969	12.250	0.00	36.58	36.58
Pittston Gas	0.00	10.670	11.590	0.00	8.62	8.62
Pottsville Gas	0.00	8.790	11.640	0.00	32.42	32.42
Renovo Gas	0.00	16.910	14.990	0.00	(11.35)	(11.35)
Saxonburg Heat & Light	0.00	4.060	7.870	0.00	93.84	93.84
Allied Gas--Shamokin Div.	0.00	16.410	15.900	0.00	(3.11)	(3.11)
Shippensburg Gas	0.00	13.950	13.530	0.00	(3.01)	(3.01)
Stroudsburg Gas	0.00	14.240	14.750	0.00	3.58	3.58
Taylorstown Natural Gas	0.00	9.105	16.211	0.00	78.05	78.05
Twin Gas	0.00	10.020	10.530	0.00	5.09	5.09
UGI Corporation	0.00	3.512	5.532	0.00	57.52	57.52

APPENDIX TABLE B-IX (Cont.)

FUEL ADJUSTMENT CLAUSES ROLLED INTO BASIC RATES IN 1977 IN RELATION TO FAC's IN DECEMBER 1976 AND 1977

Commission/Utility	Rolled in FAC in 1977	December 1976 FAC	December 1977 FAC	Percent of December 1976 FAC Rolled in Rate in 1977	December 1976 to Dec. 1977 Percent Change in FAC	Total Percentage Increase in Fuel Charges in 1977
Natural Gas	(1)	(2)	(3)	(4)	(5)	(6)
	------------	(¢/therm)	----------	------------------	(percent)	------------------
Pennsylvania Public Utilities Commission (Cont.)						
Union Gas	0.00	8.454	14.644	0.00	73.22	73.22
Valley Gas	0.00	10.100	9.840	0.00	(2.57)	(2.57)
Waynesboro Gas	0.00	14.640	16.100	0.00	9.97	9.97
Rhode Island Public Utilities Commission						
Providence Gas	9.276	1.315	(0.067)	705.40	(105.10)	600.30
Tennessee Public Service Commission						
Chattanooga Gas Co.	7.242	7.88	9.82	91.90	24.62	116.52
Virginia State Corporation commission						
Citizens Gas Co.	1.276	14.6	(0.0044)	8.74	100.00	108.74
Lynchburg Gas Co.	1.276	14.6	(0.0044)	8.74	100.00	108.74
Virginia Pipeline Co.	1.276	14.6	(0.0044)	8.74	100.00	108.74

N.A. - Not available.

1/ Average of fuel cost adjustments for December 1976.

2/ Fuel adjustment charges require semi-annual hearings.

APPENDIX TABLE B-X. AVERAGE COST OF FUEL CONSUMED IN GENERATING POWER; DECEMBER 1975, 1976 and 1977

State Commission and Company	Average Fuel Cost Dec. 1975	Average Fuel Cost Dec. 1976	Average Fuel Cost Dec. 1977	% Increase 1975-1977	% Increase 1976-1977
California PUC					
Electric Utilities - Nuclear 1/	0.42	0.91	0.82	95.23	(9.89)
- Hydro 1/	0.09	0.21	0.35	288.88	66.67
- Geothermal 1/	0.79	1.19	1.53	93.67	28.57
- Oil 2/	11.71	14.26	15.05	28.52	5.54
- Gas 3/	1.02	1.48	2.14	109.80	44.59
- Coal 4/	----	8.48	9.88	----	16.51
- Purchase Pwr. 1/	0.58	1.18	1.88	224.14	59.32
Connecticut PUCA					
Conn. L&P - Fossil Fuel 5/	191.19	204.07	210.35	10.02	3.08
- Nuclear 1/	0.309	0.292	0.304	(1.62)	4.10
Hartford Elec. Lt. - Fossil Fuel 5/	191.32	203.07	210.35	9.95	3.58
- Nuclear 1/	0.309	0.292	0.304	(1.62)	4.10
United Illum. - Fossil Fuel 5/	186.24	204.96	208.79	12.10	1.87
- Nuclear 1/	0.434	0.285	0.241	(44.47)	(15.43)
District of Columbia PSC					
Potomac Elec. Pwr. - Coal 4/	32.11	28.79	30.96	(3.58)	7.54
- #6 Oil 2/	10.40	10.74	12.98	24.81	20.86
- #2 Oil 6/	26.46	31.59	36.07	36.32	14.18
- Gas 7/	10.28	11.00	15.29	48.74	39.00
Florida PSC					
Fla. Pwr. and Lt. 1/	1.310	1.496	1.231	(6.03)	(17.71)
Fla. Pwr. Corp. 1/	1.759	2.033	1.478	(15.97)	(27.30)
Gulf Power 1/	1.204	1.316	1.624	34.88	23.40
Tampa Elec. 1/	1.458	1.457	1.633	12.00	12.08
Georgia PSC					
Electric Utilities - Coal 4/	24.83	25.89	29.61	19.25	14.37
- Gas 7/	7.50	10.70	10.40	38.67	(2.80)
- Oil 6/	3.10	34.0	37.0	19.35	8.82

APPENDIX TABLE B-X. AVERAGE COST OF FUEL CONSUMED IN GENERATING POWER; DECEMBER 1975, 1976 and 1977 (continued)

State Commission and Company	Average Fuel Cost Dec. 1975	Average Fuel Cost Dec. 1976	Average Fuel Cost Dec. 1977	% Increase 1975-1977	% Increase 1976-1977
Illinois CC					
Electric Utilities - Ill. Coal 5/	66.0	75.0	84.0	27.27	12.00
- Non Ill. Coal 5/	106.0	120.0	138.0	30.19	15.00
- Oil 5/	178.0	221.0	248.0	39.32	12.22
- Nuclear 5/	17.59	18.90	20.37	15.80	7.78
- Gas 5/	107.0	127.0	163.0	52.34	28.35
Lousiana PSC					
Cen. La. Elec. - Oil 2/	19.77	12.18	11.95	(39.55)	(1.89)
- Gas 7/	11.29	13.5	16.916	49.86	25.33
Gulf States Util. - Oil 2/	12.50	11.18	12.786	2.32	14.40
- Gas 7/	5.28	6.155	6.703	26.89	8.90
Louisiana P&L - Oil 2/	11.27	12.06	13.70	21.56	13.60
- Gas 7/	5.784	6.575	10.565	82.66	60.68
S'western El. Pwr.- Oil 2/	8.39	9.70	11.285	34.51	16.34
- Gas 7/	5.385	8.375	10.021	86.09	19.65
Michigan PSC					
Detroit Edison 1/	1.229	1.369	1.526	24.17	11.47
Consumers Pwr. 1/	1.225	1.320	1.221	(0.33)	(7.50)
Mississippi PSC					
Miss. Pwr. Co. - #6 Oil 6/	27.07	28.29	29.53	9.09	4.38
- #2 Oil 6/	31.00	31.82	34.68	12.45	8.99
- Coal 4/	21.31	24.29	27.75	30.22	14.24
- Gas 7/	8.224	18.016	20.415	148.24	13.32
Miss. Pwr. & Lt. - #6 Oil 6/	26.00	25.00	28.00	7.69	12.00
- #2 Oil 6/	30.00	32.00	34.00	13.33	6.25
- Gas 7/	15.70	15.60	14.80	(5.73)	(5.13)

APPENDIX TABLE B-X. AVERAGE COST OF FUEL CONSUMED IN GENERATING POWER; DECEMBER 1975, 1976 and 1977 (continued)

State Commission and Company		Average Fuel Cost Dec. 1975	Average Fuel Cost Dec. 1976	Average Fuel Cost Dec. 1977	% Increase 1975-1977	% Increase 1976-1977
North Carolina UC						
Carolina P&L	- Coal 5/	107.00	109.04	131.04	22.46	20.18
	- #2 Oil 5/	261.96	273.01	283.43	8.20	3.82
	- Nuclear 5/	24.92	30.13	38.52	54.57	27.85
	- Total 5/	83.01	83.26	101.95	22.82	22.45
Duke Pwr.	- Coal 5/	105.63	117.31	137.42	30.10	17.14
	- #2 Oil 5/	187.07	203.09	275.74	47.40	35.77
	- Nuclear 5/	21.08	20.64	30.53	44.83	47.92
	- Total 5/	67.77	98.97	108.22	59.69	9.35
North Dakota PSC						
Otter Tail Pwr.	- Lignite 4/	6.72	7.34	7.80	16.07	6.27
	- Oil 6/	29.61	33.97	37.04	25.09	9.04
	- Total 5/	52.93	33.97	61.57	16.32	81.25
Ohio PUC						
Cincinnati G & E	- Coal 5/	-	92.90	103.20	-	11.09
	- Kerosene 5/	-	253.20	277.90	-	9.76
Cleveland Elec.	- Coal 5/	-	101.00	115.20	-	14.06
	- Kerosene 5/	-	239.30	274.10	-	14.54
	- Oil 5/	-	214.70	230.00	-	7.13
Columbus & S'ern	- Coal 5/	-	89.77	89.76	-	(0.01)
	- Kerosene 5/	-	230.74	255.67	-	10.80
Dayton P & L	- Coal 5/	-	99.13	117.60	-	18.63
	- Kerosene 5/	-	253.88	283.17	-	11.54
	- Gas 5/	-	195.03	212.96	-	9.19
Ohio Edison	- Coal 5/	-	-	104.50	-	-
	- Kerosene 5/	-	-	309.50	-	-
Ohio Power	- Coal 5/	-	95.40	114.10	-	19.60
	- Kerosene 5/	-	237.50	267.30	-	12.55
Toledo Edison	- Coal 5/	-	106.18	123.21	-	16.04
	- Kerosene 5/	-	252.20	288.02	-	14.20
	- Oil 5/	-	167.43	216.70	-	29.43
	- Gas 5/	-	131.65	149.11	-	13.26

APPENDIX TABLE B-X. AVERAGE COST OF FUEL CONSUMED IN GENERATING POWER; DECEMBER 1975, 1976 and 1977 (continued)

State Commission and Company		Average Fuel Cost Dec. 1975	Average Fuel Cost Dec. 1976	Average Fuel Cost Dec. 1977	% Increase 1975-1977	% Increase 1976-1977
South Carolina PSC 8/						
Carolina P&L	- Nuclear 5/	18.57	24.92	30.13	62.25	20.91
	- Coal 5/	155.09	105.94	108.15	(30.27)	2.09
Duke Pwr.	- Nuclear 5/	21.57	20.18	19.18	(11.08)	(4.96)
	- Coal 5/	121.30	106.84	119.13	(1.79)	11.50
S. Carolina E&G	- Coal 5/	138.11	107.35	106.13	(23.16)	(1.14)
South Dakota PUC						
Iowa Pub. Serv.	- Coal 4/	14.45	17.13	21.17	46.51	23.58
	- Diesel Oil 2/	11.02	12.27	13.56	23.05	10.05
	- Propane 6/	17.0	22.0	27.0	58.82	22.73
	- LNG 7/	----	----	11.4	----	----
Otter Tail Pwr.	- Coal 4/	6.63	7.46	5.86	(11.61)	(21.45)
	- Diesel Oil 2/	12.27	12.26	13.85	12.88	12.97
N'west'n Pub. Serv	- Coal 4/	7.04	7.26	8.09	14.91	11.43
	- Diesel Oil 2/	11.92	13.86	15.00	25.84	8.23
	- Propane 6/	23.0	26.0	29.0	26.09	11.54
	- Gas 7/	6.0	8.2	10.6	76.67	29.27
Northern States	- Coal 4/	12.01	12.58	----	----	----
	- Diesel Oil 2/	10.50	11.33	----	----	----
	- Nuclear 5/	23.82	23.89	----	----	----
	- Gas 7/	6.2	8.4	----	----	----
	- Mfgd. Gas 7/	2.0	2.5	----	----	----
Mon. - Dak. Util.	- Coal 4/	5.55	6.42	----	----	----
	- Diesel Oil 2/	11.93	13.84	----	----	----
	- Gas 7/	4.0	4.1	----	----	----
Black Hills P&L	- Coal 4/	4.47	5.19	5.85	30.87	12.72
	- Diesel Oil 2/	13.81	15.12	16.22	17.45	7.28
Utah PSC						
Utah P&L	- Gas 1/	0.638	0.76	0.86	34.79	13.16
	- Coal 5/	42.79	54.23	66.04	54.34	21.78
	- Oil 3/	2.36	2.43	2.67	13.14	9.88
	- Pitch 3/	1.53	1.55	1.72	12.42	10.97

APPENDIX TABLE B-X. AVERAGE COST OF FUEL CONSUMED IN GENERATING POWER; DECEMBER 1975, 1976 and 1977 (continued)

State Commission and Company	Average Fuel Cost Dec. 1975	Average Fuel Cost Dec. 1976	Average Fuel Cost Dec. 1977	% Increase 1975-1977	% Increase 1976-1977
Virginia SCC 9/					
Appalachian Pwr. - Coal 1/	1.002	0.973	1.121	11.88	15.21
Delmarva Pwr. - Coal 1/	1.108	1.068	1.092	(1.44)	2.25
- Nuclear 1/	0.285	0.285	0.357	25.26	25.26
- Oil 1/	2.357	2.083	2.416	2.50	15.99
Potomac Edison - Coal 1/	0.951	0.955	1.013	6.52	6.07
Potomac Elec. Pwr.- Coal 1/	1.481	1.371	1.589	7.29	15.90
- Oil 1/	1.670	1.720	2.090	25.15	21.51
Virginia El. & Pwr- Coal 1/	1.100	1.104	1.255	14.09	13.68
- Nuclear 1/	0.309	0.396	0.468	51.46	18.18
- Oil 1/	1.938	1.803	2.209	13.98	22.52
West Virginia PSC					
Appalachian Pwr. 1/ 9/	0.9798	1.029	1.100	12.27	6.90
Monongahela Pwr. 1/ 9/	0.976	0.996	1.056	8.19	6.02
Wisconsin PSC					
Electric Utilities - Coal 4/	19.17	19.07	20.12	4.96	5.51
- Gas 7/	9.1	14.3	19.8	117.58	38.46
- Oil 2/	11.78	13.24	15.26	29.54	15.26

APPENDIX TABLE B-X (continued)

1/ cents per kwh.

2/ dollars per barrel.

3/ dollars per million Btu.

4/ dollars per ton.

5/ cents per million Btu.

6/ cents per gallon.

7/ cents per therm.

8/ cost figures are for January 1975, 1976 and 1977.

9/ cost figures are on an annual basis.

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APPENDIX TABLE B-XI

SUMMARY OF STATE COMMISSION REPLIES TO QUESTIONS V, VI, VII, IX AND X OF QUESTIONNAIRE ON NON-FAC ITEMS, 1977

State	(1) Question V % Time On Utility Regulation	(2) Question VI Further System Interconnection	(3) Question VII Utility Participation in Insulation	(4) Question IX Performance Comparisons	(5) Question X Energy Emergency Extraordinary Authority
Alabama	50%	No	No	No	None
Alaska	30	No	Yes	Not explicitly	No express authority.
Arizona	40	No	No	No	None
Arkansas	67	No	Pending issue	No	Gas and elec. must file curtailment plans.
California	35-40	Yes	No	Yes	End-user priority system re. curtailment; gas & elec. 1/
Colorado 2/	--	--	--	--	--
Connecticut	60	No	Currently studying	No	State curtailment plan--national gas; residential
Delaware	50	No	Yes, capital financing	NA	None
District of Columbia	70	Yes	No	No	Authority to curtail or discontinue service.
Florida	20	Yes	No	Not explicitly	Approval of utility disaster and emergency plans.
Georgia	35	No	Yes; financing	No	Approval of emergency purchases of natural gas.
Hawaii	50	No	Yes; cost of of capital 3/	Not explicitly	Has emergency authority but not exercised in 1977.
Idaho	60	No	Requires loan guarantees	No	Power to declare emergencies and order curtailment.
Illinois	25 4/	Yes	No	Not explicitly	Yes; curtailment plan approved.
Indiana	50	No	Yes, much potential difficulty	No	Yes; including curtailment of electric power.

APPENDIX TABLE B-XI (Continued)

SUMMARY OF STATE COMMISSION REPLIES TO QUESTIONS V, VI,
VII, IX AND X OF QUESTIONNAIRE ON NON-FAC ITEMS, 1977

State	(1) Question V % Time On Utility Regulation	(2) Question VI Further System Interconnection	(3) Question VII Utility Participation in Insulation	(4) Question IX Performance Comparisons	(5) Question X Energy Emergency Extraordinary Authority
Iowa	60%	Yes	Yes, in ratemaking	Yes, rate level comparisons	Commission chairman is energy adviser to Governor.
Kansas 2/	--	--	--	--	--
Kentucky	--	--	--	--	--
Louisiana	30	No	Yes, separtion of revenue & costs	No	None
Maine	25	No	Yes, disallowing expenses, rate base 5/	Yes	Has limited emergency powers re. suspension or amendment.
Maryland	67	Yes	No	--	Commission may administer Governor's executive order.
Massachusetts	65-70	Not in 1977 6/	No, but ratemaking not decided	No, but implicit efficiency audits are used	Not expressly provided for.
Michigan	67-75	Yes, new interconnections	No	Efficiency audits	Mich. Energy Admin. has comprehensive contingency plan.
Minnesota	50	No	No	No	None
Mississippi	70	No	No	No	None
Missouri	70	No	No	Yes, efficiency audits	Rate & surcharge relief; sharing of fuel & power inventories.
Montana	60	No	NA	Yes	None
Nebraska	--	--	--	--	--
Nevada	--	--	--	--	--
New Hampshire	50	No	No	No	Has emergency authority.
New Jersey	40-45	No	Yes, accounting and administration 7/	No	Has curtailment plan power.

APPENDIX TABLE B-XI (Continued)

SUMMARY OF STATE COMMISSION REPLIES TO QUESTIONS V, VI, VII, IX AND X OF QUESTIONNAIRE ON NON-FAC ITEMS, 1977

State	(1) Question V % Time On Utility Regulation	(2) Question VI Further System Interconnection	(3) Question VII Utility Participation in Insulation	(4) Question IX Performance Comparisons	(5) Question X Energy Emergency Extraordinary Authority
New Mexico	--	--	--	--	--
New York	60%	Yes	Too early to tell	Yes	Yes, electric load shedding procedures during fuel shortage.
North Carolina	50-67	Yes	Currently studying	Yes, implictly	Part of Governor's emergency powers.
North Dakota	15	No	No	Yes	None
Ohio	35	Yes	Yes, non-payments	Yes	Commission has statutory authority.
Oklahoma	--	--	--	--	--
Oregon	60-70	No	Reviewing	No	Gas & Elec. must file curtailment plans for approval.
Pennsylvania	44	No	Yes, currently studying	Yes	Has emergency authority re. curtailment, allocations, rates.
Puerto Rico	100	NA	No	NA	Can make immediate changes in rate structure.
Rhode Island	65-70	No	No	No	Partial moratorium on shutoffs for non-payment.
South Carolina	--	No	Yes, expertise and ratemaking	No	--
South Dakota	Majority 9/	No	Yes, size 10/ and allowable expenses	No	None
Tennessee	10	No	Yes, cost separation	No	Not expressly provided; has "emergency rule" re. gas purchases.
Texas	11	NA	Yes, rate base determination	No	Yes, ordering augmentation of natural gas supplies.
Utah	46 11/	No	No	No	None

APPENDIX TABLE B-XI (Continued)

SUMMARY OF STATE COMMISSION REPLIES TO QUESTIONS V, VI, VII, IX AND X OF QUESTIONNAIRE ON NON-FAC ITEMS, 1977

State	(1) Question V % Time On Utility Regulation	(2) Question VI Further System Interconnection	(3) Question VII Utility Participation in Insulation	(4) Question IX Performance Comparisons	(5) Question X Energy Emergency Extraordinary Authority
Vermont	60%	No	Under review	Yes	None
Virgin Islands	10	NA	No	NA	None
Virginia	-- 12/	No	Experimental program	Yes	With Governor, can allocate natural gas.
Washington	25	Yes	Yes, if funded through rate of return	No	Curtailment tariff filing.
West Virginia	--	No	No	No	Power to regulate curtailments.
Wisconsin	80	No 13/	Yes	Yes	Has adequate authority for emergency orders.
Wyoming	85	No	Yes, obtaining capital to finance	No	None specifically.

1/ Utility customers classified into five different categories depending upon usage of gas regarding curtailment priorities. Commission can direct apportionments or let utility companies allocate short supplies.

2/ Replied to questionnaire but did not treat this question.

3/ Idaho Power can promote and guarantee loans for insulation but cannot make loans; must be available to all customers not only electric heating customers as requested by utility.

4/ As measured by commission funding.

APPENDIX TABLE B-XI (Continued)

SUMMARY OF STATE COMMISSION REPLIES TO QUESTIONS V, VI, VII, IX AND X OF QUESTIONNAIRE ON NON-FAC ITEMS, 1977

5/ Commission feels that ratepayers should pay neither expenses nor return on assets associated with insulation business, and complete accounting separation is required.

6/ May examine interconnection opportunities in 1978.

7/ Had trial program during 1977; utilities had initially opposed; results not reported.

8/ Excluding transportation.

9/ The majority of time spent on communications, gas and electric regulation.

10/ Mentions concern that an already large (Power) industry would become even larger.

11/ As measured by hearing days attributable.

12/ By manhours according to the several divisions of the commission: Engineering, 58 percent; Accounting, 75 percent; Economics, Research and Analysis, 75 percent; General Counsel, 32 percent.

13/ Except for potential for joint-ownership of new generating capacity by municipal or other small utilities.

APPENDIX C

ADDITIONAL RESPONSES

The following responses were not included in the analysis performed by the Library of Congress due to the fact that they were not received until after the tabular and narrative presentations were completed.

Public Utility Commission
of Texas

George M. Cowden
Chairman

Garrett Morris
Commissioner

Alan R. Erwin
Commissioner

April 20, 1978

GOVERNMENTAL AFFAIRS COMM.
RECEIVED
APR 24 1978
WASHINGTON, D.C. 20510

Committee on Governmental Affairs
U. S. Senate
3308 Dirksen Senate Office Bldg.
Washington, D.C. 20510

Dear Sirs:

Chairman Cowden has asked me to respond to your subcommittees' questionnaire concerning rate increases and fuel adjustment clauses. The Public Utility Commission of Texas was created in 1975 and assumed jurisdictional powers as of September 1, 1976. As a result, some of the information requested pertaining to data prior to our creation do not exist. Secondly, while the Public Utility Commission of Texas regulates the electric, telephone, water, and sewer utilities within the state, the natural gas utilities are under the jurisdiction of the Railroad Commission of Texas. A copy of your questionnaire has been sent to the Railroad Commission for their response.

If you have any further questions, please feel free to contact us. We would appreciate receiving a copy of the survey results at such time it is printed.

Sincerely,

William E. Avera
Director of Economic Research

Enclosures

WEA/dd

QUESTIONNAIRE TO STATE COMMISSION CHAIRMEN
Table of Energy Utility Rate Increases, 1977

I. Rate Increases Granted by Public Utility Commission of Texas during 1977
(Type in state regulatory body name)

Utility	Type	Amount Requested $ Amount	Amount Requested % Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
	A. Electric							
	B. Gas							

II. Rate Increases Pending Before Your Commission

Utility	Type	Amount Requested $ Amount	Amount Requested % Increase	Allowed Rate of Return (1977)	Requested Rate of Return (if different)	Fair Value or Original Cost Basis	Date Filed
Dallas Power and Light Co.	A. Electric	$76,862,276	22.7%	n/a	15.5% *	Adj. Value	12/28/77
	B. Gas						

*Book common equity

III. Rate Increase Through Operation of Fuel Adjustment Clauses (i.e., granted without full evidentiary hearings)*

Utility	Type	Total Revenue (1977) from Utility Sales	1977 Revenues Derived from FAC	1976 Revenue Derived from FAC	December 1977 FAC in cents/kwh or cents/therm	December 1976 FAC Revenues in cents/kwh or cents/therm
	A. Electric					
	B. Gas					

* FAC includes both fuel adjustment clauses (electric utilities) and purchased gas adjustment clauses (gas utilities).

QUESTIONNAIRE TO STATE COMMISSION CHAIRMEN
Table of Energy Utility Rate Increases, 1977

I. Rate Increases Granted by Public Utility Commission of Texas during 1977
(Type in state regulatory body name)

Utility	Type	Amount Requested $ Amount	Amount Requested % Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
	A. Electric							
	B. Gas							

II. Rate Increases Pending Before Your Commission

Utility	Type	Amount Requested $ Amount	Amount Requested % Increase	Allowed Rate of Return (1977)	Requested Rate of Return (if different)	Fair Value or Original Cost Basis	Date Filed
Gulf States Utilities	A. Electric	$24,345,714	13.96%	n/a	15.0% *	Adj. Value	12/30/77
	B. Gas						

*Book common equity

III. Rate Increase Through Operation of Fuel Adjustment Clauses (i.e., granted without full evidentiary hearings)*

Utility	Type	Total Revenue (1977) from Utility Sales	1977 Revenues Derived from FAC	1976 Revenue Derived from FAC	December 1977 FAC in cents/kwh or cents/therm	December 1976 FAC Revenues in cents/kwh or cents/therm
	A. Electric					
	B. Gas					

* FAC includes both fuel adjustment clauses (electric utilities) and purchased gas adjustment clauses (gas utilities).

QUESTIONNAIRE TO STATE COMMISSION CHAIRMEN
Table of Energy Utility Rate Increases, 1977

I. Rate Increases Granted by Public Utility Commission of Texas during 1977
(Type in state regulatory body name)

Utility	Type	Amount Requested		Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
		$ Amount	% Increase					
Central Power and Light Co.	A. Electric	$36,584,000	11.5%	$23,435,790	7.73%(FV) 9.32%(OC)	13.98%	Adj. Value	January 5, 1977
	B. Gas							

II. Rate Increases Pending Before Your Commission

Utility	Type	Amount Requested		Allowed Rate of Return (1977)	Requested Rate of Return (if different)	Fair Value or Original Cost Basis	Date Filed
		$ Amount	% Increase				
	A. Electric						
	B. Gas						

III. Rate Increase Through Operation of Fuel Adjustment Clauses (i.e., granted without full evidentiary hearings)*

Utility	Type	Total Revenue (1977) from Utility Sales	1977 Revenues Derived from FAC	1976 Revenue Derived from FAC	December 1977 FAC in cents/kwh or cents/therm	December 1976 FAC Revenues in cents/kwh or cents/therm
CP&L	A. Electric	$437,349,068	$243,677,363	$185,712,765	21.45529 mills/kwh	21.875 mills/kwh
	B. Gas					

* FAC includes both fuel adjustment clauses (electric utilities) and purchased gas adjustment clauses (gas utilities).

QUESTIONNAIRE TO STATE COMMISSION CHAIRMEN
Table of Energy Utility Rate Increases, 1977

I. Rate Increases Granted by Public Utility Commission of Texas during 1977
(Type in state regulatory body name)

Utility	Type	Amount Requested		Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
		$ Amount	% Increase					
Texas Power and Light Co.	A. Electric	$134,841,246	34%	$58,242,508	8.77%(FV) 9.86%(OC)	13.99%	Adj. Value	April 25, 1977
	B. Gas							

II. Rate Increases Pending Before Your Commission

Utility	Type	Amount Requested		Allowed Rate of Return (1977)	Requested Rate of Return (if different)	Fair Value or Original Cost Basis	Date Filed
		$ Amount	% Increase				
TP&L	A. Electric	$118,483,186	18.37%	8.77%(FV) 9.86%(OC)	15.5% *	Adj. Value	12/21/77
	B. Gas						

*Book common equity

III. Rate Increase Through Operation of Fuel Adjustment Clauses (i.e., granted without full evidentiary hearings)*

Utility	Type	Total Revenue (1977) from Utility Sales	1977 Revenues Derived from FAC	1976 Revenue Derived from FAC	December 1977 FAC in cents/kwh or cents/therm	December 1976 FAC Revenues in cents/kwh or cents/therm
TP&L	A. Electric	$638,184,784	$205,302,153	$59,114,686*	1.0972¢/KWH	.2661¢/KWH* * 8 mills/KWH included in base rate
	B. Gas					

* FAC includes both fuel adjustment clauses (electric utilities) and purchased gas adjustment clauses (gas utilities).

QUESTIONNAIRE TO STATE COMMISSION CHAIRMEN
Table of Energy Utility Rate Increases, 1977

I. Rate Increases Granted by Public Utility Commission of Texas during 1977
(Type in state regulatory body name)

Utility	Type	Amount Requested		Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
		$ Amount	% Increase					
Lower Colorado River Authority	A. Electric	$8,900,000	8.6%	$710,384	4.93%(FV)	Governmental Authority	Adj. Value	July 18, 1977
	B. Gas							

II. Rate Increases Pending Before Your Commission

Utility	Type	Amount Requested		Allowed Rate of Return (1977)	Requested Rate of Return (if different)	Fair Value or Original Cost Basis	Date Filed
		$ Amount	% Increase				
LCRA	A. Electric	$12,760,407	14.13%	4.93%(FV)	6.211% *	Adj. Value	12/22/77
	B. Gas						

*Book common equity

III. Rate Increase Through Operation of Fuel Adjustment Clauses (i.e., granted without full evidentiary hearings)*

Utility	Type	Total Revenue (1977) from Utility Sales	1977 Revenues Derived from FAC	1976 Revenue Derived from FAC	December 1977 FAC in cents/kwh or cents/therm	December 1976 FAC Revenues in cents/kwh or cents/therm
LCRA	A. Electric	$98,577,000	$61,900,000	$52,510,000*	$0.02038/KWH	$.0196/KWH
	B. Gas					

*unadjusted for 2 mills/kwh for fuel in base rate.

* FAC includes both fuel adjustment clauses (electric utilities) and purchased gas adjustment clauses (gas utilities).

QUESTIONNAIRE TO STATE COMMISSION CHAIRMEN
Table of Energy Utility Rate Increases, 1977

I. Rate Increases Granted by Public Utility Commission of Texas during 1977
(Type in state regulatory body name)

Utility	Type	Amount Requested $ Amount	Amount Requested % Increase	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Fair Value or Original Cost Basis	Date of Disposition
Texas Electric Service Company	A. Electric	$79,052,814	23.6%	$44,120,674	8.68%(FV) 9.78%(OC)	12.00%	Adj. Value	November 2, 1977
	B. Gas							

II. Rate Increases Pending Before Your Commission

Utility	Type	Amount Requested $ Amount	Amount Requested % Increase	Allowed Rate of Return (1977)	Requested Rate of Return (if different)	Fair Value or Original Cost Basis	Date Filed
	A. Electric						
	B. Gas						

III. Rate Increase Through Operation of Fuel Adjustment Clauses (i.e., granted without full evidentiary hearings)*

Utility	Type	Total Revenue (1977) from Utility Sales	1977 Revenues Derived from FAC	1976 Revenue Derived from FAC	December 1977 FAC in cents/kwh or cents/therm	December 1976 FAC Revenues in cents/kwh or cents/therm
TESCO	A. Electric	$379,501,540	$117,449,077*	$78,361,227*	0.8978¢/KWH**	0.4282¢/KWH**
	B. Gas					

* Includes revenue @ 40¢/MMBTU and @21¢/MMBTU which were in base rat

** 100% of recoverable fuel cost on December kwh sales.

* FAC includes both fuel adjustment clauses (electric utilities) and purchased gas adjustment clauses (gas utilities).

2.3.3 Guidelines for Electricity Shortages

The Public Utility Commission approach to energy emergency allocation in the electrical area is based on two primary principles:

1) Emergency measures must be built on long-range efforts to foster conservation, increase public awareness, and maximize the efficiency of electric generation and distribution. The PUC has ongoing efforts in all these areas.

2) Voluntary actions by the public and utilities are the preferred basis of response. The history of the 1977 crisis showed the willingness and effectiveness of voluntary actions. The PUC has developed a communication link and data base to facilitate rapid response.

Several guidelines were adopted by the Public Utility Commission during the winter of 1976-77 after communications with the Governor's Office and The Federal Power Commission concerning the sale of excess fuels held by Texas generating utilities into the interstate market. These guidelines will be followed if future shortages require:

1) any utility participating in the voluntary program will be compensated at the cost of replacement fuels;

2) that the program will provide maximum relief possible to our sister states;

3) that electric service to Texas customers will not be interrupted; and

4) that no party participating in the program will realize a windfall profit from its participation.

The PUC is presently building a data base through the UDARS (Utility Data and Reporting System). The Commission has assigned a Manager of Public Utility Reporting and Data Analysis who has a designated person in each utility from whom he can obtain information on current fuel inventories and usage.

Through the data base and formalized communication link, the Commission can estimate the energy availability in the electric sector at a given point in time. The staff has initiated studies of seasonal patterns of usage, fuel inventories, and other characteristics to allow the Commission to anticipate emergency energy availability and to construct alternate response scenarios.

The Public Utility Commission, with a grant from the Governor's Office, is in the process of establishing numerous regional workshops throughout Texas to familiarize the public utilities, lending institutions, and contractors of the benefits of retrofitting older homes with energy saving devices. These workshops are expected to accelerate the trend toward efficiency in the residential sector.

(From the Texas Energy Emergency Planning Guide, January 27, 1978

Responses to CRS - 2

IV. N/A

V. 50% (Electric Only)

VI. Yes. See attached Amended Final Order Docket #14.

VII. No. Presently, some electrical cooperatives sell lamps and electric fixtures as a service to their customers. There is nothing in our Commission Substantive Rules and Regulation that would prohibit either the sale of electrical fixtures or insulation to their ratepayers.

VIII.	Dec. 1976	Dec. 1977
Houston Lighting & Power	$1.07 / MMBTU	$1.07 / MMBTU
Lower Colorado River Authority	$1.98 / MMBTU	$1.95 / MMBTU
	$2.38 / MMBTU (Fuel Oil)	
Texas Electric Service Co.	$0.85 / MMBTU	$0.88 / MMBTU
	$2.05 / MMBTU (Fuel Oil)	$0.45 / MMBTU (Lignite)
Texas Power & Light	$1.35 / MMBTU	$1.53 / MMBTU
	$0.29 / MMBTU (Lignite)	$0.41 / MMBTU (Lignite)
Central Power & Light	$2.00 / MMBTU	$1.96 / MMBTU
	$1.65 / MMBTU (Fuel Oil)	
Dallas Power & Light	$1.66 / MMBTU	$1.90 / MMBTU
		$0.39 / MMBTU (Lignite)

(All figures relate to natural gas unless otherwise noted)

(December 1975 figures not available).

IX. No.

X. See Attached Sheet

MIKE O'CALLAGHAN
Governor

HEBER P. HARDY, *Chairman*
EVO A. GRANATA, *Commissioner*
JANET S. MAC DONALD, *Commissioner*
WM. W. PROKSCH, JR., *Secretary*

PUBLIC SERVICE COMMISSION
STATE OF NEVADA

KINKEAD BUILDING
505 EAST KING STREET
CARSON CITY, NEVADA 89710

Address all communications to the Commission
Telephone (702) 885-4180

July 20, 1978

Russell J. Profozich
Economics Division
Congressional Research Service
Library of Congress
Washington, D.C. 20450

Dear Mr. Profozich:

Following are responses to your recent inquiry. The responses are keyed to your questionnaire:

I. See attachment.

II. See attachment.

III. See attachment.

IV. On April 1, 1976 the Public Service Commission of Nevada adopted General Order 21, rules relating to deferred energy accounting procedures. General Order 21 allows for the deferral and amortization of increased or decreased costs for fuel, purchased power and natural gas through the use of deferred energy accounting.

V. It is estimated that approximately 30-35% of Commission time is spent on regulation of electric and gas companies.

VI. The Commission has examined two specific utilities as regards interconnections of electric power in 1977. These utilities are Sierra Pacific Power Company and Nevada Power Company. The Commission was involved with Sierra Pacific Power Company in 1977 which pursued interconnection between Idaho Power Company and itself by means of a 230 KV transmission line. The Commission has previously approved this line. Also, the Commission approved in 1977 an interconnection between Harney Electric Cooperative and Sierra Pacific Power Company in order to establish a direct wire path between the Bonneville Power Administration and Sierra Pacific Power Company. Nevada Power Company has renewed its contracts with numerous companies in California, Arizona and Utah which the Commission monitored in 1977.

In addition to reviewing interconnection contracts the Commission has been actively pursuing a power pooling study through the Western Conference of Public Service Commissions. The Nevada Commission has played an important role in pursuing federal funding in order to investigate power pooling on a regional basis in the Western United States and will continue to do so in the future.

VII. To date the Commission has not addressed the potential difficulties arising from power companies getting into the residential insulation business. The utilities are currently into insulation programs with respect to financing only.

VIII.

Company	1975	1976	1977
Sierra Pacific Power Co. (Combined)	1.40¢/Kw hr	1.80¢/Kw hr	2.11¢/Kw hr
Nevada Power Company:			
Coal	.539¢/Kw hr	.630¢/Kw hr	.798¢/Kw hr
Natural Gas	.984¢/Kw hr	1.205¢/Kw hr	1.631¢/Kw hr
Oil	2.385¢/Kw hr	2.415¢/Kw hr	2.739¢/Kw hr

IX. Commission makes attempts to evaluate the performance of utilities on a comparative basis as regards the cost of capital. However, it has not explicitly pursued comparative analysis as regards the operations of the specific utilities involved.

X. The Commission has on file emergency plans of both major utilities in the state which are to be implemented by the utilities during emergency situations. Both the utilities emergency energy plans involve load shedding schemes based on frequency response in their systems.

I trust that the above is responsive to your inquiry.

Very truly yours,

PUBLIC SERVICE COMMISSION OF NEVADA

WM. W. PROKSCH, JR.
Secretary

WWP:jls
Enclosure

PUBLIC SERVICE COMMISSION OF NEVADA

FLOW CHARTS ON UTILITY RATE APPLICATION

California Pacific Utilities Company

Nevada Power Company

Sierra Pacific Power Company

Southwest Gas Corporation

Other Utility Companies

Notes to Attached Flow Charts:

(1) Total dollars not shown in Commission Order

(2) Not Computable

(3) Not Available

(4) Total dollars not shown in application

(5) Pending at 12/31/77

CALIFORNIA PACIFIC UTILITIES

Docket	Type	Amount Requested	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Disposition Date
1151	Gas	$ 96,827	$ 65,029	(3)	(2)	06-29-77
1152	Electric	101,813	96,319	(3)	(2)	06-29-77
1153	Electric	(39,527)	(48,255)	(3)	(2)	06-29-77
1193	Electric	329,585	205,192	9.75%	(2)	12-30-77
						Date Filed
1233	Electric	(4)	(5)	(3)	(2)	12-05-77

NEVADA POWER COMPANY

Docket	Type	Amount Requested	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Disposition Date
1011	Electric	$22,752,000	(Dismissed-Technicality-To Refile)			01-24-77
1047	Electric	$20,354,000	$11,195,757	9.41%	(2)	06-20-77
1163	Electric	(4)	(1)	(3)	(2)	06-10-77
1187	Electric	(4)	(Application withdrawn by Applicant)			07-18-77

SIERRA PACIFIC POWER COMPANY

Docket	Type	Amount Requested	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Disposition Date
906	Electric	$9,003,000	$8,007,000	9.52%	(2)	03-14-77
908	Gas	2,260,000	2,206,000	9.52%	(2)	03-14-77
1289	Electric	2,802,310	1,158,410	(3)	(2)	11-28-77
1290	Gas	1,785,228	1,785,228	(3)	(2)	11-28-77

SOUTHWEST GAS CORPORATION

Docket	Type	Amount Requested	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Disposition Date
1056	Gas	$7,032,383	$1,480,908	9.89%	(2)	08-08-77
1029	Gas	115,072	115,072	(3)	(2)	03-21-77
1064	Gas	2,096,701	(1)	(3)	(2)	03-29-77
1157	Gas	4,537,804	4,537,804	(3)	(2)	05-23-77
1264	Gas	218,959	218,959	9.89%	(2)	10-03-77
1295	Gas	1,077,818	1,077,818	(3)	(2)	11-04-77
1347	Gas	766,553	766,574	(3)	(2)	12-12-77

OTHER UTILITY COMPANIES

Docket	Type	Amount Requested	Amount Granted	Allowed Rate of Return (1977)	Actual Rate of Return (1977)	Disposition Date	Company
1210	Electric	(4)	(Application rejected as submitted)			07-11-77	Idaho Power Company
1254	Electric	(4)	(1)	(3)	(2)	09-12-77	Mt. Wheeler Power
						Date Filed	
1171	Electric	(4)	(5)	(3)	(2)	05-16-77	Wells Rural Electric
1366	Electric	$968,229	(5)	(3)	(2)	11-14-77	Mt. Wheeler Power

UNIVERSITY OF FLORIDA
3 1262 09119 1196